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USAFETAC/DS-81/067

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# DATA PROCESSING BRANCH USAFETAC Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

KWAJALEIN MARSHALL IS/ATOLL WBAN #40601 N OB 43 E 167 44 KWAJALEIN MARSHALL IS/BUCHOLZ WBAN #40604 N OB 44 E 167 44 ELEV 26 FT PKWA WMO# 91366

PARTS A-F
POR FROM HOURLY OBS: 40601 FEB 44-MAY 46, JUL
46-FEB 47, APR 47APR 52

POR FROM DAILY OBS: 40604 MAY 52-DEC 72
40604 MAY 52-DEC 72
40601 FEB 44-MAY 46, JUL
46-FEB 47, APR 47APR 52
40604 MAY 52-DEC YI

: >8 JUN 1973

FEDERAL BUILDING ASHEVILLE, N. C.

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Wayne & Mc Collon

Technical Information Section USAFETAC/TST

FOR THE COMMANDER

WALTER S. BURGMANN

AWS Scientific and technical Information Officer (STINFO) INCLASSIFIED
SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

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Kwajalein, Bucholz, Marshall Is. (A) Weather Conditions; Atmospheric Phenomena; It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)

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Percentage frenquency of distribution tables Dry-bulb temperature versus wet-bulb temperature Cumulative percentage frequency of distribution tables

\*Kwajalein, Marshall Is.

\*Bucholz, Marshall Is.

20. and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurance or cumulative percentage frequency of occuring tables.

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MATA PROCESSING DIVISION UNAFFIAC OL-1 AIR WEATHER SERVICE (MAC)

# REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

#### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at schoduled hourly intervals.

#### DAILY OBSERVATIONS

Paily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

#### DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART & PRECIPITATION

SNOWFALL

SNOW DEPTH

PARTC SURFACE WINDS

PARY D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV .

IDRY BULB, WET BULB, & DEW POINT

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

#### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

#### MISSING HOUR GROUPS

Summary sheets are emitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JAHUSRY .	APRIL	JULY .	OCTORSE
FERRICARY	YAY	AUGUST	NOVEVBER
MARCE	JUNE	SEPTEMBER	DECEMBER

	604		RSHALL IS/BU	CHOLZ	N	08 44	ONGITUDE E 167 44	STATION ELEV IFT	PKWA	[wwo wi	9136s
		STATION	LOCATIO	A NC	ND II	NSTRU	MENT	ATION H	ISTOF	łΥ	
OF OCATION		GEOGRAPHICAL LOCATION & I	IAME "	TYPE OF STATION	AT THIS	LOCATION	LATITUDE	; LONGITUDE		ABOVE MSL TYPE BAKOMETER	OBS PER DAT
1 2 3 4 5 6 7 8 9 10 11 12	Same Same Same Same	Fld Atoll Is Atoll		AAF Same Same Same AB Same MAS Same Same Same	Feb 44 Jun 45 Nov 45 Feb 46 Apr 46 Nov 46 Jul 49 May 52 Dec 54 Feb 58 Feb 60 Jul 60 Dec 65	May 45 Oct 45 Jan 46 Mar 46	N 08 42 Same Same N 08 43 N 08 44 Same Same Same Same Same Same	E 167 44 Same Same Same E 167 43 Same Same Same Same Same Same Same Same	17 16 Same Same Same Same Same Same Same Same	9 13 Same . 10 Same Same 13 . 26 Same Same 11 Same	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
IUMBER	DATE		SURFACE WIND	EQUIPMENT	INFORMATION						
OF OCATION	OF GHANGE		FOCULION		TYPE OF TRANSMITT	TYPE OF RECORDER	CROUND SYC	REMARKS, ADDITIO	DNAL EQUIPMENT.	OR REASON FOR	CHANGE
2	Aug 45	Located on ATC	_	bldg.	Anemome Same	nter N/A N/A	74 ft Same				
5	Mar 46 Sep 46	Located on SW	Wing of MATS	Termin	'	1 '					
6	Jun 49 Jul 49	Same Not available.			AN/GMC	1-1 ML 204	30 ft N/A	ļ			

京石湯·北西井 2

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NUMBER		SURFACE WIND EQUIPMENT EN	FORMATION		
LOCATION	CHANGE	LOCATION	TYPE OF TYPE OF TRANSMITTER RECORDER	HT ABOYE CROUND	REMARKS, ADDITIONAL EQUIPMENT. OR REASON FOR CHANCE
	May 52 to Nov 54	Located on platform on terminal bldg.	Aerovane N/A	65 A	
		Located on mast atop control tower	AN/GMQ-5 RD-106B	67 ft	
9		Located on top of control tower.	Same Same	62 st	How of the contract
10	Jul 60 to 12 Sep 67	Located on a pole on field. 2. Located on top of cont. tower.	Same Same	25 ft 62 ft	;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
11	to 17 Jul 68	1. Same 2. Same	F420C N/A Same	Same Same	am vivil 12 days
12	18 Jul 68		Same F312 Same Same	Same Same	9.7 · · · · · · · · · · · · · · · · · · ·
1		1. Located on mast on field 2. Same	Same Same Same Sare	19 ft 19 ft	
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		: •• . · . · . · . · . · . · . · . ·	·. ,		The second of the control of the con
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MAC-S AFE, III 66-8676

DATA PROCESSING DIVISION ETAC/USAF AIR WEATHER SERVICE (MAC) ASHEVILLE, NORTH CAROLINA

#### PART A

#### WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

- 1. By month and annual, all hours and years combined.
- 2. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail . Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## **WEATHER CONDITIONS**

40604 STATION

3.0

KUAJALEIN MARSHALL IS/AUCHINEZ

44-72

ALL MONTH

# PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CUNDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.Y.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZENG RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% CF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	X OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
HAL	ALL	.0	3,3				5.3			45	•0	•0	16853
FEB		.1	4,3				4,3		• 1			• 1	15497
.NAR		,1	6,4				6,4		, l			. 1	16825
APR	,	.00	7.7				7.7		•0		• 0	•0	16663
YAH		.0	10,1				10.1	•0	•0			•0	17574
JUH		.0	8,5				8,5		. 3		•0	. 3	16307
JUL		. 1	9,4				9.4		٠٥			•0	17599
ΑIJυ		.1	9.3				9,3						17602
SEP		. 1	10.7				10.7						17032
ect		. 1	11.9				11.9		•0			•0	17582
HOV		. 2	12.1				12.1		• 2		• 0	. 2	17040
DEC		. 1	9.0				9.0						17604
TOTALS		. 1	8,7				8,7	رى	• 1		.0	. 1	204183

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## **WEATHER CONDITIONS**

40604 KHAJALEIN MARSHALL IS/BUCHOLZ 45-72 STATION STATION NAME YEARS	HTHOM
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# PERCENTAGE PREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
HAL	00+02		5,3				5,3				•0	.0	2107
	03-05	.0	6.7				6,7						2108
	06-08	.1	5,3				5,3				• 0	•0	2108
	09-11	,1	5,0				5,0						2108
	12-14	.1	5,1				5,1						2107
	15-17		5.0		$\lambda$		5.0	<del>.</del>					2107
	18-20		4.8	,			4.8						2106
	21,-23		3, د	`			5,3						2107
				Z,				-					
						1							
TOTALS		, c	5,3		1		5;3				0	• 0	16858

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **WEATHER CONDITIONS**

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KHAJALFIN MARSHALL IS/BUCHOLZ

44-72

YEARS

FEB

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FRUH HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEA	00-02	. 2	3,7				3,7		.1			. 1	1942
	03-05	. ?	5,5				5,5		• 1			• 1	1932
	06-08	. 1	5,4				5,4		.1			.1	1944
	09-11		5.0		.,		5.0		• 1			.1	1933
	12-14		3,3				3,3		•1			• 1	1942
	15-17		3,1				3,1		.1			.1	1931
	18-20	.1	4,0				4.0		.1			.,1	1944
	21-23		4,4				4,4		•1			- 1	1929
								·					
TOTALS		. 1	4,3			<u> </u>	4,3		• 1			• 1	15497

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **WEATHER CONDITIONS**

40604 STATION

KWAJALEIN MARSHALL IS/BUCHTILZ
STATION NAME

44-46,48-72

MAR

HTHOM

# PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
HAR	00-02		6,0				6.0	,,	,1			.1	2101
	03-05	.1	7,5				7.5		.1			. 1	2102
	06-08	•0	6,8				6,8		.1			.1	2105
	09-11	• 2	6.1				6.1						2105
	12-14	, 3	6,0				6,0						2100
	15-17	.1	6,5				6.5						2101
	18-20	.2	5.5				5,5		.0			.0	2104
	21-23	.0	6.4				0.4		•1			• 1	2107
<del></del>													<del> · · · · · · · · · · · · · · · · · </del>
TOTALS		. 1	6.4				6.4		•1			.1	16825

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **WEATHER CONDITIONS**

40604 STATION HANDALEIN HARSHALL IS/BUCHOLZ

44-72

APK

MONT

# PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CHADITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	8LOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02	.0	8.3				8.3						2002
	03-05		9.3				9,3						2085
	06-08		8.3				8,3						2084
	09-11		0.7				6,7						2084
	12-14		7.6				7.6						2085
	15-17	0	7,3				7.3						2082
	18-20		7,2				7.3						2081
	21-23		7,0				7.0		•0		• 0	•0	2080
													···
TOTALS		•0	7.7				7.7		.0		•0	٥٥	16663

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SEPVICE/MAC

#### **WEATHER CONDITIONS**

40604

KWAJALEIN MARSHALL IS/BUCHILZ

44-72

YAK HINOM

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

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% OF OBS WITH OBST TO VISION SNOW AND/OR SLEET % OF OBS WITH PRECIP. SMOKE AND/OR HAZE TOTAL NO. OF OBS. RAIN FREEZING DUST HOURS (L.S.7.) THUNDER-STORMS RAIN & /OR DRIZZLE MONTH AND/OR DRIZZLE SAND 11.6 00-02 ٠0 .0 2198 YAH 11.6 03-05 11.3 2197 11.3 06-08 11.2 11.2 2198 9.4 • 0 09-11 2190 9.5 2195 12-14 .0 15-17 8.9 8,9 2196 9.2 9.2 2197 18-20 21-23 9.3 9.3 2195 TOTALS 17574 10.1 10.1

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DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

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#### **WEATHER CONDITIONS**

40604 KYAJALE IN MARSHALL IS/BUCHULZ 44-45,47-72 JUN
STATION STATION NAME YEARS MONTH

# PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CUMDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
HUL	00-02	. 1	8.9				8,9		.4			. 4	2038
	03-05	• 1	9.6				9.6		.5		•0	. 5	2034
	116-08	. 1	9.7				9,7		.3			. 3	2040
	09-11		7.2				7.2		, 3			. 3	2040
	12-14		8,5				8,5		.3			.3	2036
	15-17	•0	8.0				8.0		.3			.3	2040
	18-20	• 0	8.2				8,2		,3			.3	2040
	21-23	<u>,</u>	8,1				8,1	·····	• 3			. 3	2039
TOTALS		• a	8,5			·	8,5	   <del> </del>	,3		• 0	.3	1630

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DATA PRUCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

40604 KWAJALEIN MARSHALL IS/BUCHDLZ
STATION
STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE OF HEATHER
COINDITIONS FROM HOURLY OBSERVATIONS

TOP AND

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF ORS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	.1	8,9				8,9		•0			.0	2199
	03-05	.3	10.4				10.4						2201
	იბ-08	• 2	9.8				7.8						2201
	09-11	.1	9.4				9.4		•1			. 1	2200
	12-14		8,7				8,7		.0			•0	2199
	15-17		8.8				8.8		,0			.0	2199
	18-20	.1	9.8				9,8		.0			.0	2200
	21-23	•0	9.7				9.7		•0			•0	2200
TOTALS		• 1	9,4				9.4		•0			•0	17599

USAFETAC JULY 64 0-10-5 (OL-1), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **WEATHER CONDITIONS**

40604 KWAJALEIN MARSHALL IS/BUCHULZ
STATION NAME

72

AUG MONTH

PERCENTAGE PREQUENCY OF OCCURRENCE OF WEATHER CHNDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L S.Y.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DUA_	00-02		9,6				7.8						2201
	03-05	. 1	10.5				10.5						2200
	06-08	•0	10.8				10.6				_		2201
	09-11	,1	8,5				8,5	·					1022
	12-14	. 1	8.4				8,4						2199
	15-17	• 0	9.1				9.1						2199
	18-20	•0	8.9				8.9						2200
	21-23	, 1	8.6				8,6						2201
													·
TOTALS		. 1	9.3			<del> </del>	9.3	<del> </del>					17602

USAFETAC FORM 0-10-5 (OL-1), MEYIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PRICESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

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#### **WEATHER CONDITIONS**

40604 KWAJALEIN MARSHALL IS/BUCHCILZ 44-72 SEP

STATION STATION NAME YEARS MONTH

# PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SHOW	DUST AND/OR SAND	% OF OSS WITH OSST TO VISION	TOTAL NO, OF OBS.
SEP	00-02	,2	10.0				10.0						2130
	03-05	1	11.3				11,3						2129
	06-08	, 2	12.5				12,5						2128
	09-11	,1	11,6				11,6						2130
	12-14	. 1	10.9				10.9						2130
	15-17	.1	9,9				7,9						2128
	18-20	•0	10,1				10,1						2127
	21-23	• 1	9.2				9.2	·					2130
TOTALS		. 1	10.7				10.7						17032

USAFETAC ANY 64 0-10-5 (OL-1), MEMOUS EDITORS OF THIS FORM ANE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SEPVICE/HAC

## **WEATHER CONDITIONS**

40604 STATION KHAJALFIN MARSHALL IS/RUCHOLZ
STATION NAME

-72

UCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
טרד	00-02	, 3	11,8				11.8						2198
	03-05	, 3	11.6				11.6						2198
	06=08	.1	11.3				11,3						2198
	09-11	•0	11.4				11.4						2198
	12-14		11,5				11.5		• (			.0	2197
	15-17	.0	13,2		· · · · · · · · · · · · · · · · · · ·		13.2		•0			.0	2197
	18-20	. 1	12.5				12.5						2198
	21-23	.0	11.5				11.5						2194
TOTALS		, 1	11.5				11.9			<u> </u>		. d	17582

USAFETAC FORM 0-10-5 (OL-1), MENOUS EDITIONS OF THIS FORM ARE ORSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## **WEATHER CONDITIONS**

40604 STATION WWA-JALFIN MARSHALL IS/BUCHTLE STATION NAME

44-77

YEARS

VDV HTHOM

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONSITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNGW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	\$LOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MUA	00-02	. 1	12.8				12.8		, 2			.2	2130
	03-05	. 4	13,7				13,7		,3			. 3	2130
	06-08	.2	12.0				12.0		,2			. 5	2130
	09-11	. 4	13.2				13.2		.1			.1	2130
·	12-14	.1	11.5				11,5		,1			.1	2131
	15-17	.1	11,5				11,5		•1			.1	2129
	18-20	, 1	10.9				10.9		,1			.1	2130
	21-23	, 3	10,8				10.8		.2		•0	. 2	2130
i									<u> </u>				
	ļ							·					
			<u> </u>		-		-						
	ļ						<b>  </b>		<del> </del>				
TOTALS		.2	12.1				12.1		.2		•0	. 2	17040

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DATA PROCESSING PRANCH USAF ETAC AIR WEATHER SERVICE/MAC

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#### **WEATHER CONDITIONS**

40604 KHAJALEIN MARSHALL IS/BUCHILT 44=72 UEC

STATION STATION NAME YEARS MONTH

# PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DRSERVATIONS

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02	.0	8.3				8,3						2200
	03-05	.1	10.2				10,2						2201
	06-08	. 2	9.9				7.7						2201
_	09-11	. 1	9,3				9.3						1022
	12-14		8.6				8.6						2200
	15-17		8.9				8.9						2200
	18-20		8.4				8.4						2201
	21-23	-	8.4				8.4						2200
													· · · · · · · · · · · · · · · · · · ·
						<del></del>		<del></del>					
TOTALS		. 1	9.0			· · · · · · · · · · · · · · · · · · ·	9.0						17604

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#### PART A

#### ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949.

Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

ATMOSPHERIC PHENOMENA

40604

KWAJALEIN MARSHALL IS/BUCHOLZ

46-71

ALL

STATION

MONTH

# PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	8ŁOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAL	DVILA	, 5	50,6				67.0						806
FER		• 3	57.6				64.3		• 3			. 3	734
HAP		. 5	61,2				63.9	• 1	, 6			. 8	775
∧ <b>P</b> R		• 4	65 (1			, 1	73.2						780
.1ΑΥ		1.6	72.1				11.5	• 1	• 1			• ?	900
MUL		2.1	79.7				٥,٠٥		• 6			• te	<b>7</b> 30
JUL		3.6	75.1				65.7		. 2			• 2	809
AUG		3,7	77.4				67.8						908
SEP		3.7	76.2				85.2	• 8				• 3	780
CCT		3,7	75.7				. 3 . 9	. 2				. 7	806
NUV		2.7	78.1				87.6	• 1	• 3			.4	780
OEC	r=u	1,1	68.2				77.9		The Republication		and the same		808
TOTALS		2.0	70.9				711.5					. 3	9434

USAF ETAC BOYN B 10.5 (OL-1), MEVIOUS EDITIONS OF THIS FORM ARE ORNCHES

DATA PROCESSING DIVISION ETAC/USAF AIR WEATHER SERVICE (MAC) ASHEVILLE, NORTH CAROLINA

## PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

DERIVED FROM DAILY OBSERVATIONS

SNOWFALL\*
SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

- 1. The first table for each of the above presents the <u>percentage frequency of various daily amounts</u>, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts; annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
- 2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth wa recorded and punched at various hours during the period available from U. S. operated stations. The period: and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations

From beginning of record thru 1945

Snow depth at 0800 LST

Jan 46-May 57

Snow depth at 1230 GCT

Jun 57-present

Snow depth at 1200 CCT

U. S. Navy and Weather Bureau Stations From beginning of record thru Jun 52

Snow depth at 0030 GCT

Jul 52-May 57

Snow depth at 1230 GCT

Jun 57-present

Snow depth at 1200 GCT

<sup>\*</sup> Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## **DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF PRECIPITATION (FROM DAILY OBSERVATIONS)

40604 STATION

KWAJALEIN MARSHALL 19/BUCHOLZ

44-71

						AM	OUNTS (II	NCHES)						PERCENT		MON	THLY AMO	DUNTS
PRECIP	NONE	TRACE	<b>0</b> 1	.0203	.04-10	.1125	.241.50	.51 1 00	1 01-2 50	2.51-5 00	5 01-10 00	10 01-30 00	OVER 30 00	OF DAYS	TOTAL NO.		(INCHES)	
SHOWFALL	NONE	TRACE	01-04	0 3-1 4	1,5-2.4	2.5.3.4	3.544	4.5-6 4	<b>6 5-10 4</b>	10.5 15 4	15.5-25.4	25 5-50 4	OVER 50 4	MEASUR-	OF OB\$.	MEAN	GREATEST	IEAST
SNOW- DEPTH	NONE	TRACE	-	,	3	4.6	7-12	13-24	25-36	37.44	49.60	41-120	OVER 120	AMTS				
HÄL	30.6	22.6	4,8	13,1	7.4	9,3	5.5	4.3	1.7	. 5	.1			46.8	837	3.80	15.66	82
FEB -	33.9	22,6	5,6	13,1	4.8	9,0	3.8	2,1	2.1	,1				43,6	.762	2,39	6,32	,40
MAR	32.0	18.7	5.0	12,4	6,0	9,3	6,7	4,1	4.8	,9	.1			49,3	806	5.83	24.33	,18
APR	26.2	19,2	6,7	10,2	7.8	10.4	7.7	6,7	3.0	,7	.1			54.6	840	6.23	20.29	.24
MAY	17.4	15,5	4.9	10.5	8.4	12.9	11.1	9,0	0.0	1,4				67,0	837	9,86	24.18	1.35
אטנ	14.2	14.8	3.7	11,7	9.4	14.2	11.9	10.6	8.3	1,1	.1			71.0	810	9.56	19.61	2.26
JUL	13.4	11,3	3.9	11,2	10.1	16.6	14,3	10.7	7.5	1.0				75.3	868	9,68	17.33	4.84
AUG	12.6	13.6	4.0	11,4	8.4	15,9	13,6	11.6	7.9	• 9				73.8	868	10.04	16.95	4.29
SEP	13.8	13.8	3.8	10.8	7.3	15,4	12,3	13,0	8.3	1,5				72.4	840	10.71	19.76	4.78
ОСТ	13.7	11,8	4.8	10.3	6.6	14,4	14,3	12,3	10.1	1,6	.1			74.5	868	11,77	20.05	3,03
ноч	11.9	11,9	5.1	12.1	8.6	14,4	13,2	12.6	8.0	2,1				76;2	F40	11.11	19,51	4,40
DEC	21.1	17.6	4.0	11,3	9.2	13,1	8,2	8.1	5.6	1,4	, 2	,1		61,3	868	8.82	30.38	1,90
ANNUAL	20.1	16.1	4.7	11,5	7.9	13.0	10.2	8.8	6.5	1.1	. 1	.0		43.8	10044	99.80		X

1210 WS JUL #4 0 15-5 (OL1)

PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## **EXTREME VALUES**

PRECIPITATION (FROM DAILY OBSERVATIONS)

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42604 KWAJALEIN MARSHALL 13/BUCHTLZ 44-71
STATION NAME

24 HOUR APOUNTS IN INCHES

MONTH	JAN.	FEB.	MAR.	APR,	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
44	4.3		.25	, 31		1,10	1,33	,58	.80	, 85	3,96	1,38	2' 0
- 45	1.47	- 175	1.15	_1.21	_1.15	.63	1.40	2.90	2.24		1.90	3,81	3,0
44	10/7	.39	3,69	3.22	1.55	2	0.4	1.46	4.00	1417	3,75	1.05	
47	- 44	1.07		41	2.35	2.10	- 1. 50	2,20		-2,10	_2.73	3,71	
40	35	.19		79	1.74	3,62	1.61	4.83	2.02	1,99	2,65	1,83	
45	96	- 50	1.15	-30	1.75	2,21	1.39 2.72			2.03		2.97	
51	7.41	.57	1,94	1.45	2,21	1,82		3,77	4,36	2.82	2.04	17.10	17.1
52	1,72	1,15	4,66	_1,21	3,26	1.12	2,51	1.05	4,22	3,09	2,36	2,93	7,4
53	31	23	AÀ	1.53	4,83	70	2.08	2.10	1.80	2,69	2.30	3,30	3.3
34	37	,15	,82	4,01	2.25	1,65	1,38	1,77	2,82	2.88	1,28	5,63	5.6
25	4.9	36	6.40	1.72	1.94	3,47	1.71	1.23	2.09	1.66	2.13	2.27	
56	1,17	.59	3.42	1,41	2.23	1.60	1,99	1,28	1,57	. 36	3.29	1.09	3,4
57	2,23	1.61	.42		3.64	1,26	80	2.12	2.00	1.10	3.59	.06	3,0
50	2.78	122	- 344	1,58	3,32	2,24	3,16	1,74	1.72	3.04	2.08	2.10	3.3
57	27	1.58	70	1.68	1.14	1,58	2.50	4.21	2.56	1,23	4.90	1,36	4,9
6.	26	145	1,03	2,29	1,45	2,53	2,46	2,02	1.72	1.68	3,24	1,55	3.2
61	1.10	42	1,59	1.02	1.72	1,13	1.42	1.42	2.67	1.94	2.55	1.00	2,6
62	1,47	1.44	1.42	1,44	2.00	1,56	1.01	1,34	1.68	1,01	2,39	1,23	2,3
63	4.05	2.64	1,33	2.13	1.38	2,58	2.41	3.35	1,25	2.79	1.53	5.10	5,1
64	,22	1.95	1,27	2,92	3,97	2,73	3,48	2.90	2,10	3.89	2.26	4,48	4.4
65	1047	45	0.0		.63	1.58	2.07	1.34	1.10	2.11	1.77	1.41	2,1
66	.79	, 15	1,46	2,34	2.09	2,20	1.25	2,59	3.65	1,30	2,52	3,52	3.6
67	1.14	1,42	1,93	1,36	2,63	2,35	1.99	. 80	3.11	1,76	1.40	1,63	3,1
60 [	3,17	26	1,93	2,52	4.35	3.36	1.92	4.74	1.12	6,10	2,58	3,53	6,1
69	2,79	21	74	1.56	2.30	3,13	3.73	1.58	1,98	.78	2.50	49	3.7
70	.30	.21	, 25	2,28	1.51	1.46	1.24	2.01	2.87	4,45	2.89	.86	4,4
71	1 03	1,22	1 - 29	5.01	4,28	4,69	4,22	2,16	1,64	2.07	1,35	78	5,0
7													
MEAN !	1.49	91	1,59	1.74	2,31	2,18	2,04	2.22	2.38	2,28	_2.63	2.61	4.7
S D	1.567	349	1.469	1.200	1,134	1.118	842	1,122	1,040	1.205	887	3,130	2,73
OTAL OBS	837	762	808	640	837	810	868	868	840	848	840	868	1004

USAF ETAC FOLM 0 88 5 (OU)

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## **EXTREME VALUES**

PRECIPITATION (FROM DAILY OBSERVATIONS)

40604 STATION

KNAJALEIN MARSHALL IS/BUCHOLZ
STATION NAME

# 24 HOUR AMOUNTS IN INCHES /BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN,	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
44		12.01			2,10 30								PRECIP
48			Q										PRECIP DAYS PRECIP DAYS
			·					 					
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	_	- 14 <b>48-7</b> -		V2-17-11-12-12-12-12-12-12-12-12-12-12-12-12-					. Tomas Krada Val	7251 - T			
MEAN S D													- · · · ·
S D		<del></del>										-	•

USAF ETAC FORM 0 88 5 (OU)

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWRALL (FROM DAILY OBSERVATIONS)

40604 STATION KWAJALEIN MARSHALL IS/BUCHOLZ

46-71

YEARS

						AM	OUNTS (I	NCHES)						PERCENT		MON	THLY AMO	UNTS
PRECIP	NONE	TRACE	.01	.02- 03	.04-10	.1125	.2450	.\$1.1.00	1.01-2 50	2 51-5 00	5 01-10 00	10 01-20 00	OVER 20 00	OF DAYS	HO		(INCHES)	
SHOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5.3 4	3.5.4.4	4 5-6 4	4.5-10 4	10 5-15 4	15.5.25.4	25.5-50 4	OVER 50.4	MEASUR-	OF OBS.	MEAN	GREATEST	LEAST
SNOW. DEPTH	NONE	TRACE	١	,	,	4.4	7.12	13.24	25-36	37.48	49 60	61-120	OVER 130	AMTS		**********		
JAN	100.0								:						806	•0	,0	•
FEB "	100.0														734	•0	•0	
MAR	100.0														744	0	•0	•
APR	100.0														<b>'7</b> 80	•0	• 0	0
MAY	100.0														806	.0	•0	•
NUL	100.0														750	•0	•0	•
JUL	100.0														806	•0	•0	•
AUG	100.0														806	.0	•0	• 0
SEP	100.0														' <b>7</b> 8¢	.0	• 0	•0
ОСТ	100.0														806	•0	• 0	.0
иоч	200.0														'780	•0	• 0	.0
DEC	100.0														808	•0		
ANNUAL	100.0										And in column Section				9404	• C		X

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PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## **EXTREME VALUES**

SNOWFALL (FROM DAYLY OBSERVATIONS)

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40604 KWAJALEIN MARSHALL 18/BUCHOLZ 46-71

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
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TOTAL OBS	8 16	734	744	790	806	750	806	806	780	806	790	306	940

USAF ETAC FORM 0-88 5 (OU)

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## **EXTREME VALUES**

SNOWFALL (FROM DAILY OBSERVATIONS)

40804 STATION KWAJALEIN MARSHALL 15/BUCHOLZ

<u> 71 \_\_\_\_\_</u>

YEARS

# 24 HOUR AMOUNTS IN INCHES /BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	. HUL	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
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S D TOTAL OBS	-								-				<b>+</b>

USAF ETAC #78.04 0-88 5 (OU)

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF SNOW DEPTH (FROM DAILY OBSERVATIONS)

40604 STATION KWAJALEIN MARSHALL IS/DUCHOLZ

44-71

AMOUNTS (INCHES) MONTHLY AMOUNTS (INCHES) PERCENT TOTAL \$ 01-10 00 10 01-20 00 OVER 20 00 OF DAYS PRECIP. TRACE 01 .02-.05 .04-.10 .11-.25 .24-.50 .51-1 00 1 01-2.50 2 51-5 00 NO. OF WITH MEASUR TRACE 01-0.4 0 5-1.4 2.5.3.4 4.5-6.4 6.3-10 4 10 5-15 4 15.5-25.4 25.5.304 OVER 50.4 SNOWFALL NONE 1.5-2.4 3.3.4.4 Q85. ABLE GREATEST OVER 120 HONE TRACE 4.4 7.12 13.24 37-48 47-40 41-120 25.36 037 100.0 JAN 762 100.0 FEB -100.0 837 MAR 100.0 840 APR 937 100.0 YAM 100.0 810 JUN 100.0 868 JUL 100.0 868 AUG 100.0 840 SEP 100.0 868 OCT 100.0 840 NOV 100.0 868 DEC АННИАЦ), 00° . С 10075

1210 WS JUL 64 0-15-5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## **EXTREME VALUES**

SNOW -DEPTH (FROM DAILY OBSERVATIONS)

-40004 KWAJALEIN MARSHALL IS/BUCHOLZ

#### DAILY SNOW DEPTH IN INCHES

MONTH	JAN.	FEB.	MAR.	APR,	MAY	.AUL	ınr. ,	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
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52	Ŋ	0	ď	q	q	O	g	q	9	9	g	.0	.9
57	<u>0</u>	0	<u>0</u>		<u>\</u>		<del></del>	<u>0</u>	<del></del>	<u>o</u>	<u>y</u>	0 0	—— <del></del> }
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57	Ö	ŏ	o	Ŏ	Q	į.	d	ď	ď	a	ď	0	
5.1	0	V	O	0	Q	0	(	q	d	q	d	0	q
59	0	0	0	0	0	0	q	q	q	q	q	0	q
60	V	어	O)	q	q	Q	y	q	q	q	g	0	9
61	<u> </u>		9	<u> </u>	- <u>-</u>	<u>Q</u>	- 9	<u> </u>	<u> </u>	9	9	0	g
62	0	Ŋ	o	o,	9	, o	()	Q	y	g	g	0	g
63	- 7	<del></del> X	<del></del>	<del></del>	<del></del>	—— <u>}</u>	<u>'</u>	<del></del>		X	<u>a</u>		———∺
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60	0	0	Ø	Ö	0	O	O	q	q	q	q	0	, d
60	9	0	0	o	9	0	g	<u> </u>	g	q	g	0	g
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71	<u> </u>	0	0	0	4		- 4	<u> </u>	9	q	<u> </u>	0	
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TOTAL OBS	837	762	837	840	837	810	888	868	840	868	840	860	10079

USAF ETAC FORM 0-88 5 (OU)

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## **EXTREME VALUES**

SNOW DEPTH (FROM DAILY OBSERVATIONS)

40604 KWAJALEIN MARSHALL IS/BUCHOLZ

YEARS

# DAILY SNOW DEPTH IN INCHES /BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	אטג.	<b>ມບໍ່ເ</b> .	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
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TOTAL OBS												i	

USAF ETAC FORM 0 88-5 (OU)

DATA PROCESSING DIVISION ETAC/USAF AIR WEATHER SERVICE (MAC) ASHEVILLE, NORTH CAROLINA

#### PART C

#### SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1968, and in tens of degrees starting in January when 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous... instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:
  - (1) Annual all hours combined
  - (2) By month all hours combined
  - (3) By month by standard 3-hour groups
- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### **EXTREME VALUES**

SURFACE WINDS (FROM DAILY OBSERVATIONS)

40604 KWAJALEIN MARSHALL IS/RUCHULZ 46a

#### DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN		FE	8.	Μ.	AR.	٨	PR.	M	AY '	J	JN.	,	uı.	٨	uG.	S	EP.	0	CT.	N	OV.	D	EC.	JJA JINOM	нѕ
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54	ENE		ENE	26	NE	25		29		30				36	SE	2:	FSE	30		10			NE	41	-	·
	NE	42	ENR	36	SW	38		.33		46	ENE	36	ENE	31	ENE		ENE		ENE		ENE	29		28	NE	4
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67	ENE	32	,		ESE Ne		ESE	33		33		34	E	37		39	NE	34		37	ENE		NNE	42	P.NE	
64	ENE		NE.		ENE	30	<del>-</del> -		<u>SE</u>	34		33	<u>-</u>	- 27	NNE		ENE		83 E	-33	<del>-</del>	3.5		36	<u> 558</u>	
66	ENE		ENE	31		33		30		30	Ē	22	S E		SSE		SSE	_35	ESE	35		47		36	NE Ene	4
67	F.S.E.	43			ESE		ENE.	35	G	-20	<u>.                                    </u>	31	) R	36		25		0	25	_ P.I	F.NE	42	* K	40	ី ខាវិដ	-4
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USAF ETAC 1084 0 88 5 (OH)

DATA PROCESSING BRANCH USAF ETAC AIR MEATHER SERVICE/MAC

### **EXTREME VALUES**

SURFACE WINDS (FROM DAILY OBSERVATIONS)

40604 STATION

7477

KHAJALEIN MARSHALL IS/BUCHOLZ
STATION NAME

YEARS

### DAILY PEAK GUSTS IN KNOTS /BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

YEAR MONTH	JAN,	FEB.	MAR.	APR.	MAY	JUN.	ju.	AUG.	SEP.	ост.	NOV.	`DEC.	AU MONTHS
46		0	0	O	0		0	0	Q	Q	0	0	WINDS DAYS
52				U	E 32								HIHDS DAYS
54											E 31		NINDS DAYS
57										SW 32			HINDS DAYS
67									E 36	0	0	0	WINDS
64	0	0	0	0	0	0	ENE 32					· • • • • • • • • • • • • • • • • • • •	DAYS WINDS DAYS
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TOTAL OBS	•					-	··					··	4

USAF ETAC FORM 0-88 5 (OU)

DATA PROCESSING BRANCH ETAC/USAF AIR HEATHER SERVICE/MAC SURFACE WINDS 5. PERCENTAGE FREQUENCY OF WIND £, DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 40604 KWAJALEIN MARSHALL IS/BUCHILZ 44-72 ALL WEATHER SPEED MEAN WIND SPEED 1.3 7 - 10 17 - 21 22 - 27 28 - 33 34 - 40 10.0 NNE 7.3 NE 7.6 3,5 2.0 1.5 4.5 18.8 13.9 7.0 17.3 8,6 2,0 37.9 . 0 Ē 8.0 19.8 ESE 38 Я ,0 7.1 SSE 8.4 \$ .0 .0 <u>ق</u>و SSW .0 8.5 SW ,2 WSW 6.2 WNW NW 6.5 HNW VARBL 100.0 TOTAL NUMBER OF OBSERVATIONS USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH SURFACE WINDS ETAC/USAF **5**. PERCENTAGE FREQUENCY OF WIND AIR WEATHER SERVICE/MAC 1 DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) Ľ. KWAJALFIN MARSHALL IS/BUCHOLZ 45-72 ALL WEATHER U IJ i; MEAN WIND SPELD SPEED 41 - 47 ≥56 48 - 55 17 - 21 28 - 33 34 - 49 11 - 16 1 - 3 7 - 10 η, 12.7 15.4 16.1 9,0 18,7 NNE 30.5 13.1 4,5 \$2.6 ENE 1.0.2 E .0 ESE SE Ō SSE 5 0 SSW WSW 0.9 W 16.7 WNW 4.9 NW. NNW VARBL CALM 15.5 100.0 TOTAL NUMBER OF OBSERVATIONS 16858 USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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0 5 0	DATA PROG (TAC/USA) AIR WEAT)	F HER SEF	SAICE\I	IAC		(FROM )	ECTION . HOURLY	AND SP	EED ATIONS)		antices of	SUR	FACE		IDS
C.	40604 STATION	KWAJI		STATION	MANE	70011752	ALL WE	ATHER		Y	EA B B			A	HTH L L (L S.T.)
Ü							COND	ITION							
U	Γ	SPEED (KNTS)	1.3	4.4	7 - 10	11 - 16	17 - 21	22 · 27	28 · 33	34 - 40	41 · 47	48 - 55	≥56	*	MEAN WIND
•	-	DIR. N NNE	.0				3.7	10.0 13.2							
•	-	:.c ENE	,1 ,0			29.0 54.6 10.0	15.4 16.1 16.1								
v		ESE SE SSE	.0	00 00	2.1 2. 1.0	0.0 3 1.	3,3 .1	.0	•0	.0				.7	13.4
•	-  -	\$ SSW		0. 0. 0.	.0 .0	,0 .0	•0	•0	•0					•0	7.6
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( -	-	WHW WHH	.0 .0	0.0	0.0									.1	5.7
( )		CALM	$\geq$	$\geq$	$\geq$	$\geq $	29.4	20.4	<b>&gt;</b> 6	<b>&gt;</b>	$\geq$	$\geq$	>	100.0	15.7
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<u> </u>			USAFETA	AC AX 66	0 8·5 (OL·1)	PREVIOUS EDIT	IONS OF THIS I	FORW ARE OBS	O.EIE		ومرسود والمستوات والمستوات				<del></del>
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1 DATA PRUCESSING BRANCH SURFACE WINDS ETAC/USAF **5**. AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND U DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) ſ. KWAJALFIN MARSHALL IS/BUCHALZ 44-46,48-72 40604 ALL WEATHER ť. MEAN WIND SPEED 1.3 11 - 16 17 - 21 28 - 33 12.8 1.0 13.2 24.6 7.7 NN3 5,9 14,7 13.6 Ō 14.2 NE 48.3 ENE ESE 0 SE .0 .0 ,0 8,2 9,7 8,1 ٥, Ō ای .0 .0 آف ۰,0 SW <u>, a</u> .0 WSW .0 .0 <u>,</u> ol •0 WNW 0, .0 6.9 NNW VARBL CALM 100.0 14.7 TOTAL NUMBER OF OBSERVATIONS 16825 USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1 DATA PRUCESSING BRANCH SURFACE WINDS ETAC/USAF 5 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 40604 KWAJALFIN MARSHALL IS/BUCHOLZ 44-72 APR £ ALL ſ, SPEED (KNTS) DIR. MEAN WIND SPEED 17 - 21 7 - 10 11 - 16 22 - 27 ≥56 8.3 اق 1.2 10.5 22.5 12.9 NNE .2 5.0 2.0 3.0 NE 14.8 .1 14.9 ENE 1.0 13.3 46.7 •0 14.4 3.4 4.0 5.7 1.0 .0 19.7 ESE .1 1.1 2.3 13.5 1.1 .2 11.3 •0 SE SSE .0 . l .0 .0 10.0 5 , 0 .0 0 , 13 .0 9.5 SSW • 1 .0 .0 ,ū •0 sw ,U WSW .0 .0 w .0 WNW , D .0 .0 .0 .0 5.8 NW NNW .0 VARBL CALM 17.0 45.9 25.7 6.5 100.0 14.5 TOTAL NUMBER OF OBSERVATIONS 16666 USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

C DATA PROCESSING BRANCH SURFACE WINDS ETAC/USAF 5 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) KWAJALEIN MARSHALL IS/MUCHILZ 44-72 40604 ALL WEATHER C SPEED (KNTS) DIR. 7 - 10 11 - 16 17 - 21 22 - 27 41 - 47 ≥56 9,6 NNE 7.5 20.9 ENE 9.1 ESE 10.0 SE SSE 9,4 5 SSW O 6.6 SW WSW .0 W WNW 5,7 NW NNW VARBL ľ. CALM 100.0 13.3 TOTAL NUMBER OF OBSERVATIONS 17575 L. USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE DESOLSTE

DATA PRUCESSING BRANCH ETAC/USAF AIR HEATHER SERVICE/MAC

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40004	KWAJALEIN MARSHALL IS/BUCHOLZ	44-45,47-72	มีปัง
STATION	STATION NAME	YEARS	KINOM
	ALL	HEATHER	ALL
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.0	• 2	• 2	.1	•0							. 5	7."
NNE		, 4	. 8	6		Q						7.0	9.0
NE	. 2	.9	4.3	6.0	1,9		•0					14.1	12.
EME	. 1	1.4	4.7	22.4	0.9	1.0	•0	•0				41.5	13,
E	. 3	1.4		13.2	4,4	.7	.0	• 0				26.7	13.0
ESE	, 1	1.0	2.7	3.5	.,7			•0				8.2	11.
SE	, 1	.6		,7	. 2	• ()	•0					2.5	9.1
SSE	, 1	, 2	.5	. 3	.1	. (1	0.	,0				1.2	10.
<b>S</b>	. 1	. 3	. 4	. 1	.0	. (3						1.0	7.
ssw	.0	• 1	.1	. 1	.0	.0						•4	8 •∶
sw	, 1	. 1	. 1	.0	.0							. 1	7.
WSW	.0	•0	0.	.0								. 1	6.
w	.0	.0	.0	•0	.0							• 1	7.
WNW	.0	.0	• 1	.0								. 1	6.
NW	9.0	• 1	• 1	.0								. 2	6.
NN:Y	,0	1	.0	.0								. 2	6.
VARBL													
CALM	$\geq \leq$	$\geq \leq$	$\times$	><	$\geq <$	$\geq \leq$	$\ge$	$\times$	$\geq <$	$\geq \leq$	> <	۶.	
	1.4	6,7	26.6	47.2	14.3	2,8	. 1	•0				100.0	12,

TOTAL NUMBER OF OBSERVATIONS 16306

USAFETAC FORM  $_{\rm AR}$  44 0-8-5 (OL-1) previous editions of this form are obsolete

DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

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### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604	FWAJALEIN MARSHALL IS/BUCHOLZ	44=72	J?*
STATION	STATION HAME	YEARS	MONTH
	ALL	WEATHER	ALL
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1.3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	  -48 • 55 	≥56	*	MEAN WIND SPEED
N	. 3	,ñ	. 3	.1	.0							1.3	5.
NNE	. 3	1.0	_ 1.2	. 4	.0	• ()						2.0	7,
NE	. 5	1.9	4.6	3.3	. 6							11.0	9,
ENE	1.0	3,7	11.3	11.7	2,2	,3	.0				}	30,1	10.
E	26	3,0	9.6	11,5	2,9	. 3	•0					28.6	11,
ESE	, 4	1.9	4.3	3,7	. 6	-1		.0				11.0	10,
SE	4		1.7	1.0	, 2	.0						4.4	8.
SSE	. 2	.7	. 9	h	1	. ()	.0					2.7	9.
\$	. 4	.6	6	. 2		.0						1.8	7,
SSW	. 2	3	2	. 1	.0	.0						. 8	7.
sw	. 1	,2	. 2	. 1	.0							. (1	6.
wsw	, 1	, 3	- 1	- 1	.0							.0	7.
w	. 1	.2	- 1	, to								. 4	6.
WNW	. 1	. 2	1	. 1	. 0							٤,	6.
NW	. 1	. 2		.0								. 4	5.
WMM	. 1	,2	1	. 1								. 5	6.
VARBL													
CALM	><	><	$\times$	$\times$	$\geq \leq$	$\times$	$>\!\!<$	><	$\geq \leq$	$\triangleright <$	$\times$	2.2	
	4.9	16.8					0	•0				100.0	9,

TOTAL NUMBER OF OBSERVATIONS 17596

USAFETAC FORM 0-8-5 (OL-1) previous editions of this form are obsolete

C DATA PRICESSING BRANCH SURFACE WINDS ETAC/USAF 5 AIR WEATHER SEPVICE/HAC PERCENTAGE FREQUENCY OF WIND C DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) KHAJALEIN HARSHALL IS/BUCHTILZ 44-72 ALL € HOURS (L.S.T.) €. SPEED (KNTS) DIR. MEAN WIND SPEED ≥56 5.9 . (3 1.3 4.1 9.5 NNE 1.1 .0 0.9 8,7 NE 2,6 10.5 23.3 10,1 ENE 8. 3.9 7.6 •0 10.0 10,4 24.9 EŞE 11.5 9.4 4,8 8,1 SE 1,4 2,3 8.4 7.6 SSE \$ 1.1 1.9 SSW SW WsW w WNW ·U NW NNW VARSL 3.7 38.0 100.0 8.7 TOTAL NUMBER OF OBSERVATIONS 17596

USAFETAC  $\frac{\text{FORM}}{\text{JAL 64}}$  0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

<b>5</b> .	FTAC	/USA	F	C BRANC		P		RECTION	QUENCY AND SF OBSERV	PEED			SUR	FACE	WIN	IDS
<b>(</b> ,	4060 *TATH	4	KNAJ	ALFIN N	ARSHAL	L IS/	висниц	7	44.	-72		EARS				EP
C								ALL W	EATHER				<del></del> -		HOURS	L.L. (L.S.T.)
•				_				сох	DITION							
£.		f														
€			SPEED (KNTS) DIR.	1.3	4 · 6	7 • 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
€.			N NNE NE		1.1 1.0 3.3	<u>1.7</u> 4.2	.5	.0 .0 .3	.0						2.8	6.9
,			ENE E	1,1	3.5 3.8 2.4	7.0 3.6	5.7	•9 •9	•3 •1	•0					16.8	9.6
			SE SSE S	.7	2.0	7.2 3.1	1.3	.2	1						6.5 5.8	8.3
Ĺ		} [	SSW SW	, 5 , 4	-1.5 .9 .R			2 1	.0 .0	.0	.0				5.0 3.1 2.7	8,4
Ĺ			WSW W WNW	.3 .5	.7		.2	.0	0.0		.0				2.0	7.6 6.8 6.2
Ĺ			NW NNW VARBL	3		.3	.2	.0							1.5	6.1
Ç		-	CALM	$\geq \leq$	$\geq$	$\geq$	$\geq$	$\times$	$\geq$	$\geq$	$\geq$	$\geq \leq$	$\geq$	$\times$	6.0	
ſ.		L		9.0	25.7	36.3	20.5	3.6	. 8		0	TOTAL NU	ARER OF OBS		<u> 100.0</u>	17025
E																
C																
Œ				USAFETA	C FORM 0	-8-5 (OL-1)	PAEVIOUS EDIT	IONS OF THIS	FORM ARE OBSI	CAETE						
	$\neg \gamma$												~~		·	

ſ. DATA PROCESSING BRANCH SURFACE WINDS ETAC/USAF AIR WEATHER SERVICE/MAC 5 PERCENTAGE FREQUENCY OF WIND C DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) KWAJALFIN MARSHALL IS/BUCHDLZ ALL WEATHER MEAN WIND SPEED (KNTS) DIR. 1 - 3 7 - 10 11 - 16 17 - 21 22 . 27 41 - 47 48 - 55 ≥54 7.7 1.1 5.2 2.1 5.1 NNE 9.0 12.4 NE 3.2 2.0 . 6 4.5 5.2 ENE 9 18.1 9.7 .0 E 9.0 ESE 2.2 3,3 9.8 2.5 8.3 SE .0 SSE \$ 4.8 8.7 1.9 8.6 لِعِ 3.3 SSW . 8 SW ٠Á WSW .6 ۸. 2.1 w 6.3 WNW .0 1.1 NW 6.6 NNW VARBL CALM 100.0 8,4 TOTAL NUMBER OF OBSERVATIONS 17581 USAFETAC  $_{\rm AR-64}^{\rm FORM}$  0-8-5 (OL-1) previous editions of this form are obsolete

£. DATA PRUCESSING BRANCH SURFACE WINDS FTAC/USAF 5 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) KWAJALEIN MARS ALL IS/RUCHOLZ 44-72 HUY C SPEED (KNTS) DIR. MEAN WIND SPEED 7 - 10 11 - 16 17 - 21 22 - 27 28 - 33 34 - 40 41 - 47 NNE 9.6 NE ENE 16.1 •0 12,0 8.2 ESE SE 10.0 SSE 10.1 \$ 9.2 SSW 9.9 SW 8.2 WSW .0 .0 .0 WNW .0 NW NHW 6.9 VARBL CALM 11.2 100.0 TOTAL NUMBER OF OBSERVATIONS 17037

USAFETAC FORM 0-8.5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH SURFACE WINDS ETAC/USAF 5 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND t DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) (1 KWAJALFIN MARSHALL IS/BUCHOLT DEC 40604 ALL HOURS (L.S.T.) ALL WEATHER ĩ SPEED (KNTS) DIR. MEAN WIND SPEED N 12.3 NNE 1.2 11.2 13.3 ENE .0 E ESE SE SSE \$ SSW SW WSW WNW 11.2 8.2 NW 9.8 VARBL CALM 15.9 47.2 14.6 100.0 TOTAL NUMBER OF OBSERVATIONS 17604

USAFETAC FORM 0.8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH ETAC/USAF ĩ. SURFACE WINDS AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 40604 KNAJALEIN HARSHALL IS/BUCHOLZ 45-72 SPEED (KNTS) DIR, MEAN WIND SPEED 10.3 11.9 24.5 8.3 17.5 3.0 NNE NE 28.1 ENE 10.3 ESE 38 10.3 SSE \$ 4.5 SW WSW 2.0 WNW NNW VARBL 19.3 100.0 TOTAL NUMBER OF OBSERVATIONS 2107 USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH SURFACE WINDS ETAC/USAF 5 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 1 40604 HWAJALFIN HARSHALL IS/BUCHILZ (1300-0500 ALL WEATHER C C SPEED (KNTS) DIR. MEAN WIND SPEED 17 - 21 22 - 27 11 - 16 48 - 55 10.2 1.3 5.9 4.8 1.5 12.2 NNE 30.7 52.4 NE 4.1 ENE •7 24.6 •1 2.0 ESE • U SE .0 SSE 5 SSW SW WSW WNW 27.0 NW NNW 4,0 VARBL 15.2 100.0 TOTAL NUMBER OF OBSERVATIONS 2108 ( USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE C

DATA PROCESSING BRANCH ETAC/USAF €. SURFACE WINDS AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 40604 STATION WHAJALFIN MARSHALL IS/BUCHILZ 0600-0800 HOURS (L.S.T.) SPEED (KNTS) DIR. 17 - 21 22 - 27 9.2 н NNE NE 8 7 13.0 30,4 15,4 18.3 ENE ŧ ESE SE 0 3\$8 \$ 0 SSW SW WSW W WNW NW NNW VARBL CALM 100.0 15.6 TOTAL NUMBER OF OBSERVATIONS 2108 USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH O SURFACE WINDS TAC/USAF 5 ALE WEATHER SERVICE/HAC PERCENTAGE FREQUENCY OF WIND U DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) KWAJALFIN HARSHALL IS/BUCHOLZ 45-72 40604 JAH 0900-1100 HOURS (L.S.T.) ALL WEATHER SPEED (KNTS) DIR. MEAN WIND SPEED 1 - 3 11 - 14 17 - 21 7 - 10 11.3 N 2.0 12.4 23.7 •0 NE 33.8 10.5 ENE 5.6 10.0 ŧ 1.0 ESE SE 8.0 \$5E 5 SSW SW WSW NW 0.0 NNW VARBL CALM 15.9 TOTAL NUMBER OF OBSERVATIONS 2108 USAFETAC FORM 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PRI ETAC/USA AIR EAT	AF .			P		RECTION	AND SE				SUR	FACE	WI	NDS
40604 STATION	KWA,	IALEIN F	IARSHAI	L 15/	BUCHUL	<u>t</u>	45.	-72	······································	YEARS				MAL
					· · · · · · · · · · · · · · · · · · ·	ALL NI	ATHER				<del></del>		1200	0-1400 (U.S.Y.)
						CON	PITION							
	SPEED (KNTS)	1 . 3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND
	DIR.		i										. 2	SPEED 7.5
	NHE	0	Z	1.4	14.1	9,9	3.1	.4					4.1 37.5	
	ENE	l	,5 ,3	3.3 1.5	22.2 4.9	19.8	4,5	,5					50.9 10.1	14.5
	ESE SE		- 1	.3		0,							1,3	10,6
	SSE S	1	.0	.0	•0	•0							.1	8,0
	_ssw _sw	.0	_ •1										5	4.8
	wsw w													
	WNW													4.0
	NNW		0,	.0									.0	6.0
	VARBL CALM	>	>	><	> <	>	> <	>	>	> <	$\sim$			
		6	2.4	10.6	43.6	33.2	н. э	.9					100.0	15,7
										TOTAL NU	MBER OF OBS	ERVATIONS		2107
		USAFETA	C FORM O	8-5 (OL-1)	PREVIOUS EDITI	IONS OF THIS	FORM ARE OBS	OLE IE						
	<u>,</u> ,													
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DATA PROCESSING BRANCH ETAC/USAF AIR MEATHER SERVICE/MAC

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604 STATION	KWA	ALFIN !	MARSHAL	L IS/	BUCHOL.	ζ	45	-72	<del></del> ,	EARS	<del>.,</del>			JAN
•						ALL W	EATHER LASS				<del></del>		1500	1700
		-				сон	DITIOK							
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
	N		,0	•1	.1								. 5	មុខម
	NNE	.2	. <u>5</u>	1.1	2.8	. 8	•1	•0					5.6	12.6
	NE	. 1	,5	3.9	14.6	9.0	2,7 3,7	,0 ,3	•0				31.1	15.5
	ENE	.1	. 5	3.9	24.2	10.0	3.7	.4					50.9	16.0
	E		E .	1.7	4.7	2.2	.7	•0	•0				9.7	14.8
	ESE	.0		.6	.5		•0						1.3	10.6
	SE			• 1	• 1	.0							. 2	13.4
	358		• 1		.0								.1	8.3
	\$	.0	. 1										. 1	3.7
	SSW													
	SW	.0		1									. 1	6,3
	WSW													
	W			1	.0								, 2	9,5
	WNW													
	NW													
	WNW			. 1	•0								.7	8.8
	VARSL													
	CALM			> <	><	><	><	><	> <	> <		$\times$	.1	

TOTAL NUMBER OF OBSERVATIONS 2107

100.0 15.4

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

<b>5</b> .	DATA PRI ETAC/USA AIR WEAT	\F			P		RECTION	QUENCY AND SI	PEED			SUF	RFACI	: WII	NDS
C	40604 STATION	KMVT	ALEIN I	MARSHAI	LL 15/	BUCHNL	7	45	-72			···			JAN
C	HOTATE			STATIO	I MAME			EATHER			(EABS				0~2000 (L.S.T.)
-							¢	LASS						HOUR	J (L.B.T.)
C			_	·	<del></del>		cen	DITION							
,															
(		SPEED (KNTS) DIR.	: . 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	≥54	*	MEAN WIND SPEED
(_	}	N	.0	.1	0	1	0							. 4	9,0
	[	NNE	. 3		. 8	2.4	. 9	2						4.9	12.4
(	ļ	NE SH		7	4.8	13.7	9.3	2.9	- 5	.0		ļ		32,1	15,5
	}	ENE	:0	• 7	3.6		18.7		.0			ļ	<del> </del>	51.0	
1	ŀ	ESE	• • •		1.3	4.9	2.8	.0		.0		<del> </del> -	<del>  </del>	7.1	12.8
(	ľ	SE			• 1		.0					<del> </del>	1	.3	10,2
	Ī	SSE													
	Ţ	\$		.0										0	4.0
	ļ	ssw										<del> </del>	<b> </b>		
,	ł	WSW				<del> </del>							<del>  </del>	0	4.0
(	ŀ	W		.0								<del> </del>		.1	5.5
	į	WNW		0	a.v									, n	
{	[	NW													
		NNW		.0								<u> </u>		<u>0</u>	5.0
	ŀ	VARBL													
(	}	CALM												.4	
	L		6	2.4		44.8	31.9	8.0	. 8			<u> </u>		100.0	15,5
· (											TOTAL NUA	WBER OF OBS	ERVATIONS		2106
													_		
(															
€.															
44															
4			USAFETA	C AX 64 0	8 5 (OL-1)	PREVIOUS EDIT	IONS OF THIS	FORM ARE OBS	313,6						
	<u> </u>									<del></del>					
															ı
															ļ.

					-			-							
0 <b>5</b> 0	DATA PRI ETAC/US. AIR WEA	A۶				DIR	ECTION	AND SE	OF WIN PEED (ATIONS			SUR	FACE	WIW	IDS
U	40604 STATION	KMV1	VELIN )	JAHZ RAM HOITATE	L [S/F	(UCHOL)			-72		YEARS			-	IAN PATH
U						<del></del>	ALL HE	ATHER				<del></del>		HOURS	(L.E.Y.)
(.)			_				CONE	ITION							
C,	İ	SPEED			······································	· · · · · · · · · · · · · · · · · · ·							I	Т	MEAN
(		(KNTS) DIR.	1 • 3	4 - 6	7 - 10	11 - 16	17 • 21	22 · 27	28 - 33	34 - 40	41 · 47	48 - 55	≥56	%	WIND SPEED
(		N NHE NE ENE	.2 .0	,3 1,2	•2 •9 4•2 4•5	1.4 12.7 24.3	9.3 18.1	2.1 4.7	• 0 • 4 • 5					4.0 29.9 52.8	13.4
		E ESE	Ö	• 2.	1,7	4.6	3.7	1.0	•					11.2	13.2
,		SE SSE S	.0	0,0	.0	•0		0.0						•1	14.5
;		sw sw wsw	.0			0,			7					.0	3.0
		WHW HW													
(		VARBL CALM						$\overline{}$		$\overline{}$		$\overline{}$		.3	
			,7	2,3	11.7	43,5	32.2	8.3	٩٠					100.0	15.5
(											TOTAL NUA	lber of obs	ERVATIONS		2107
( )															
(															
£			USAFETA	C M 64 0	·8·5 (OL·1) #	REVIOUS EDITI	ONS OF THIS F	ORM ARE 085	OLETE			****		. <del></del>	-
1							,	****		•					
						-									1

DATA PRUCESSING ARANCH ETAC/USAF AIR WEATHER SERVICE/MAC

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604	KWAJALEIN MARSHALL IS/BUCHILZ	44-72	FEB								
STATION	STATION NAME	YEARS	NONTH								
	ALL WEATHER										
		CLASS	HOURS (L.S.T.)								
		CONSTRUCT	<del></del>								

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 • 27	28 - 33	34 • 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		. 7	ξ.									. 3	7.
NNE		• 1	•7	1.9	. 2							2.9	12.
NE		.7	4.7	12.0	4.4	2.9						27.0	15.
ENE		•3	5.6	27.0	17.3	5.4	-4					56.0	15.
E	, 1	. 5	1.4	4.4	3.8	1.5	• 1					12.3	15.
ESE			• 2	. 2	. 2	• 1						.6	14.
SE		i	•1	• 1								. 1	10.0
SSE				.1								. 1	12,
\$		• 1	. 1									. 1	12,
55W													
SW		• 1										. 1	5.
wsw													
w													
WNW													
NW													
NNW		• 1	.1									. 1	6.
VARBL													
CALM	$\supset \subset$	$\times$	><	> <	$\times$	> <	$\supset \subset$	> <	$\supset \subset$	$\supset <$	><	• 4	
	1	1.0	13.1	46.2	27.A	9.4	. 7					100.0	15.

TOTAL NUMBER OF OBSERVATIONS 1942

USAFETAC JAK 64 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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0 . <b>5</b> .	DATA PROCESS ETAC/USAF AIR WEATHER			P	DIF	RECTION	AND SI	OF WIN			SUR	FACE	WII	NDS
()	40604 Kh	MAJALFIN	MARSHA	LL 15/	BUCHUL	7	44	-72				· · · · · · · · · · · · · · · · · · ·		FEB
C.	STATION	_	STATIO	HANE			EATHER			YEARS				0NTH )=0500 (LS.T.)
-							ASS DITION						NOU R:	(L.S.T.)
(.														
(											_ <del>_</del>			
(	SPEED (KNTS) DIR.		4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
· ·	N		•2	•2 •5	1.7	.6							, ú 2, 9	7.0
(	, NE ENE	.2	•7	5.0	13.0	7.3 17.0	3.5	,4 ,1					30.1 54.1	15.1
	ESE			11.0	16.3									
	ŞE		.2		.1	• <u>1</u>							.3	11,4
	SSE													
•	SSW SW		•1	1									• 1 • 1	4.0
1	wsw w				• 1								. 1	14.0
,	WNW													
į	NNW	_		.1									, 1	7.0
(	CALM		$\sim$	$\overline{}$	$\overline{}$	$\overline{}$	$\overline{}$	$\overline{}$	$\overline{\mathbf{x}}$	$\overline{}$			. 3	
		.3	2.0	12.9	44.8	28,8	10,5	. 5					100.0	15,4
(										TOTAL NU	ABER OF OBS	ERVATIONS		1932
(												<del></del>		***
(														
£														
<b>4</b> .		USAFETA	AC FORM (	) 8·5 (OL·1)	PREVIOUS EDITI	ONS OF THIS I	ORM ARE OBS	METE						
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DATA PROCESSING BRANCH ETAC/USAF C SURFACE WINDS 5 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND €, DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 40604 STATION KWAJALEIN HARSHALL IS/BUCHOLZ FEB 44-77 ALL WEATHER 0600-0800 HOURS (L.S.T.) SPEED (KNTS) DIR. MEAN WIND SPEED 3.1 10.5 N 12.5 . 8 13.9 NNE 8.0 30.9 4.7 12.5 24.5 3.9 18.1 4.5 6.3 53.9 16.1 ENE 10.2 10.2 13.2 ESE SE SSE 10.0 3 11.0 SSW sw WSW 6.0 WNW NW NNW VARBL CALM 15.6 30 100.0 () TOTAL NUMBER OF OBSERVATIONS 1944 U

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

- 30

C DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC SURFACE WINDS **5**. PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 40604 KWAJALEIN MARSHALL IS/RUCHNLZ 44-72 SPEED (KNTS) DIR. 1 - 3 7 - 10 17 - 21 N 2.0 13.9 25.3 7.4 18.9 HHE 4.0 3.8 30.4 15,8 NE ENE 17.1 3.6 1.6 ESE SE SSE 5 SSW sw wsw W WNW NW NNW VARBL CALM 100.0 16.1 TOTAL NUMBER OF OBSERVATIONS 1933 C USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604	KNAJALFIN MARSHALL IS/BUCHOLZ	44-72	FEB
STATION	STATION HARE	YEARS	MONTH
	ALL	1200-1400	
		HOURS (L.S.T.)	
	•	ONDITION	

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	%	MEAN WIND SPEED
N			•1	.2								.21	11.
HHE		.1	1.0	2.3	1.0	• 1					-	4.5	13.
NE	. 1	. 4	4.2	14.0	7.7	3.9	3.					30.3	15.
ENE		.2	3.0	27.1	10,5	5.1	•2			T		54.2	16.
E	.1		.9	3.9	2.8	1.4	•1				i	7.1	10.
ESE			• 2	. 5	. 2	•1						. 9	14.
58			.2	.1	.1	•1						4	13.
SSE										<b> </b>			
\$		• 1	• 1	•1	.1					$\overline{}$	<del> </del>	.2	10.
55W													
sw												<del> </del>	***********
WSW											f	1	
w												<del>                                     </del>	
WNW	.1											.1	3.
NW	I											i	
NNW	.1		.1									.1	5,
VARBL									<del></del>			<del>                                     </del>	
CALM	X	$\geq \leq$	$\times$	$\geq \leq$	$\times$	$\geq <$	$\times$	$\times$	> <	$\supset \subset$	> <		
	. 2	,7										100.0	16.

TOTAL NUMBER OF OBSERVATIONS 1942

USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH ETAC/USAF AIR MEATHER SERVICE/MAC

> NW NNW VARBL CALM

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	_				ALL W	ATHER				<del></del>			0-1700 (Liv.)
	_				CON	DITION							
SPEED (KNTS) DIR.	1-3	4 - 6	7 • 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥54	*	MEAN WIND SPEED
N		.1	.1	. 3	. 1							.6	12.9
NNE		.7	.7	3.0	.7	. 3	. 1					4,9	14.0
NE		.2	4.0	14.0	<b>៩.</b> ប	3,9						30.8	15.6
ENE		,1	0.6	27.3	17.9	4.2	,3					52.8	16.1
ŧ		• 1	1.3	4.4	2.4	1.1						9.3	15,6
ESE	1	• 1	. 1	, 3	, 1	i						. 6	12,2
SE		. 1			. 1							. 5	11.1
SSE				.1								, 1	10.0
\$				1								. 1	11.0
SSW			- 1									1	0.0
SW	1	. 1										.2	4.3
WSW			- 4									.1	10.0

TOTAL NUMBER OF OBSELVATIONS 1931

100.0

15,7

USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1

C

DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/HAC

NNW VARBL CALM

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604 STATION	TVHA	ALFIN!	MARSHAL STATION	L 15/1	FEB HONTH 1800-2000									
		-				EL	EATHER LASS							(6.8.7.)
	SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
	N		. 1	- 1									5.	7.8 12.6
	NNE		,2	1.0	2,2	. 4							3.9	12.6
	NE	.1		4,7	15.3	0.1							71.2	15.1
	ENE	.1		4.5		17.6							55.1	16.1
			.2										8.4	15.4
	ESE			.2	• 1	. 2							. 5	13.5
	SE				.1								5.	10.7
	SSE			1									!	8.0
	S				<u> </u>		.1	• 1			<u> </u>	L	.1	26.5
	ssw										<u> </u>			
	SW		.1										.1	5.0
	WSW													
	*													
	WNW	. 1										<b>_</b>	. 1	3.0
	A 114	(	1	1		(	(	, ,	1		1	1 7	4	6.0

TOTAL NUMBER OF OBSERVATIONS

15.5 1944

100.0

USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PRUCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

KWAJALEIN MARSHALL IS/BUCHILZ

**5**.

40604

#### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

2100-2300 HOURS (L.E.T.)

1930

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNTS) DIR. MEAN WIND SPEED 28 - 33 1 - 3 17 - 21 7 - 10 11 - 16 22 - 27 34 - 40 48 - 55 ≥56 8.0 NNE 12.4 28.5 56.9 16.1 ENE 10.0 16.3 ŧ ESE 14.6 0.8 SE 3 SSW SW WSW 3.0 WNW NW 5.0 NNW VARBL CALM 15,7 100.0

USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE ONSOLETE

DATA PRUCESSING BRANCH ETAC/USAF AIR MEATHER SERVICE/MAC

0

### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604	KMAJALEIN M	ARSHALL	IS/BUCHOLZ		4-46,48-72			HAR
HOITATE		SHAH HOLFATS				YEARS		MONTH
			ALL	WEATH	: R			0000-0200
				CLASS			•	HOURS (E.S 2.)
							_	
				CONDITION			•	

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	.0	.2	1	1	.0			1				.6	13,0
NNE	- 1	.2	.4	. 9	. 1	-1	Ų					1.9	12.
NE	. 2	1.0		10.6	4.8	1.6	, 3	•(1)				25.6	13.6
ENE	,1	1.0		26.4	13.5	2.9	• 1	•0				50.0	15.0
Ę	. 2	.3	2.2	8.7	5.0	1.2	. 1					17.6	15.
ESE	. 1	• 1	, 5	1.0		•2	۰۵					2.2	12.1
SE		. 1	- 1	.4	.0		•0					1.0	14.8
SSE			.0	.0	.0							. 1	13,0
S			.0	.0								.1	10.0
SSW		.0	. 2									• 5	8.0
sw			• 1									. 1	8.
WSW													
w		• 1										. 1	4 .
WNW		.0	.0									-1	6.
NW			.0									.0	6, <sup>1</sup>
NNW	.0	.0										.1	3,0
YARBL													
CALM	$\supset \subset$	> <	> <	> <	$\times$	> <	$\times$	$\times$	> <	$\supset <$	$\bowtie$	. 3	
	. 8	3.7	16.8	48.1	23.7	6.2	. 6	.2				100.0	14.

TOTAL NUMBER OF OBSERVATIONS 2101

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PRUCESSING BRANCH ( SURFACE WINDS ETAC/USAF 5 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) KWAJALEIN MARSHALL IS/BUCHOLZ MAR 40004 44-46,48-72 0300=0500 HOURS (L.S.T.) WEATHER SPEED (KNTS) DIR. MEAN WIND SPEED 22 - 27 12.7 2.0 1.2 13.9 HHE 1.0 23.2 13.8 NE 47.7 14.8 ENE \$2.8 17.3 1.9 8.6 4.6 1.6 14.3 ESE . 1 14.0 38 11.6 SSE .0 9.7 \$ 16.0 SW WSW 6.0 WHW 7.0 NHW VARBL 100.0 14.4 TOTAL NUMBER OF OBSERVATIONS 2102 USAFETAC FORM 0 8-5 (Ot-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

€ 5. €	DATA PRI ETAC/USA AIR WEA	AF			P		RECTION	AND SE				SUR	FACE	WIN	IDS
€.	40604 STATION	KWAJ	ALFIN	HARSHA	LL IS/	BUCHIIL	7	94	-46,48.	-72	/EARA				AR
£	SIATION		_					EATHER Ass				<del></del>			)=0800 ()
€							CON	DITION							
(		SPEED													MEAN
•		(KNTS) DIR. N	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 · 40	41 - 47	48 · 55	≥56	* .5	WIND SPEED
ſ		NNE NE ENE	.0	1.1	5.9		2 6_8	1.6 2.7	, <u>5</u>					28.8 28.8 45.7	13.1 14.3 15.2
		E ESE SE	0.	, 5	2.1	8.4 1.0	5,0 .6	1.4	•0					2.7	15.3 13.1
•		SSE S	.0		.0	-3			.0					1	16.0
Ĺ		\$5W \$W W <u>\$</u> W												.1	5.5
(		W WWW	.0											.1	4.0
		VARBL CALM	.0		•0									.6	5.5
(		Chim	.6	3.4	15.5	45.7	27.1	6.3	.,9					100.0	14.7
Ĺ											TOTAL NUA	lber of obs	ERVATIONS		2105
Ĺ															
4															
3			USAFETA	AC JUL 64	8.5 (OL·1)	PREVIOUS EDIT	IONS OF THIS	FORM ARL OBS	OLETT						

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C DATA PRIICESSING BRANCH SURFACE WINDS ETAC/USAF 5 AIR MEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 40604 KHAJALEIN MARSHALL IS/BUCHOLZ 44-46,48-72 0900-1100 HOURS (L.S.Y.) SPEED (KNTS) MEAN WIND SPEED 11 - 16 17 - 21 22 - 27 28 - 33 48 - 55 DIR. 13.7 N 1.1 13.3 23.6 2.1 14.8 6.7 15.8 3.1 NE 28.4 47.1 16.1 13.0 E 12.8 0 SE 5 SSW SW WSW w WNW NW 7.7 NNW VARSL

27.5

15.1

2105

100.0

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0 8 5 (OL-1) PLEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

13.

CALM

DATA PROCESSING BRANCH Ł SURFACE WINDS ETAC/USAF **5**. AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) HWAJALFIN MARSHALL IS/BUCHILZ 40604 44-46,48-72 ALL WEATHER SPEED (KNTS) DIR. MEAN WIND SPEED 13.7 N NNE 14.2 28.8 45.2 14.7 NE 14.7 ENE 15.9 ESE SE SSE 5 55W 15.0 SW 11,3 WSW WNW NW NNW VAREL 15,1 100.0 TOTAL NUMBER OF OBSERVATIONS 2101

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-8-5 (OL-1) previous editions of this form are obsolete

DATA PRUCESSING BRANCH U SURFACE WINDS ETAC/USAF AIR WEATHER SERVICE/MAC 5 PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 40604 KWAJALFIN MARSHALL IS/RUCHULZ 44-46,48-72 HAR ALL WEATHER 1500-1700 HOURS (L.S.T.) SPEED MEAN WIND SPEED (KNTS) 11 - 16 17 - 21 11.4 5 13.0 NNE 16.4 25.1 14,4 NE 6.4 3.8 ENE E ESE SE .0 SSE 5 . 0 .0 .0 6.5 SSW 0.0 .0 SW WSW WNW 10.0 NNW VARBL CALM 26.0 100.0 14.7 TOTAL NUMBER OF OBSERVATIONS 2100 USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0 <b>5</b> G	DATA PRIJEESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)	SURFACE	WINDS
Ci	40604 KWAJALFIN MARSHALL IS/BUCHOLZ 44-46,48-72 STATION MARE  VEARS		MAR MONTH
U	ALL WEATHER		1800 = 2000 HOURS (L S.T.)
<b>(</b> )	COMPLIENT		
()	SPEED		MEAN
()	(KNTS) 1 · 3 4 · 6 7 · 10 11 · 16 17 · 21 22 · 27 28 · 33 34 · 40 41 · 47	48 - 55 ≥56	WIND SPEED
(	NNE 0 2 4 8 4 4 NE NE 1 8 6.1 14.2 5.0 1.6 .2 ENE 1 3 5.7 26.7 14.7 2.3 .4		2,3 14.1 27.9 13.9 50.3 15.1
	ESE .3 .5 .8 .2 .0 .0		14.8 15.0 2.0 12.1
	SSE 0 3 1 1 0 1 1 5 1 5 1 5 1 1 1 1 1 1 1 1 1 1		7 11.2
	SSW SW WSW O O O		.1 6.5
	W 0 0 0		0 10.0
	NNW 9 1 VARBL		.1 5.5
( )	CALM 7 2.9 15.4 49.4 24.8 5.8 .9 .0		100.0 14.6
<b>(</b> ;	TOTAL NUM	MBER OF OBSERVATIONS	2104
€.			
¢			
1	USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE		

DATA PRUCESSING BRANCH ETAC/USAF SURFACE WINDS 5 AIR WEATHER SERVICE/HAC PERCENTAGE FREQUENCY OF WIND ( | DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) ( 40604 KWAJALFIN MARSHALL IS/BUCHILZ 44-46,48-72 MAR ALL WEATHER 2100-2300 HOURS (L.S.T.) MEAN WIND SPEED (KNTS) DIR. 7 - 10 11 - 16 17 - 21 22 - 27 13.4 .0 1.9 12.9 25.4 13.9 53.0 15.2 NNE .0 5,4 12.0 27.4 6.9 5.0 15.2 3.3 .2 NE .0 ENE ۶, . 1 ŧ . 0 4.7 1.5 •1 15.8 15.3 •0 ESE 12.4 16.1 SE SSE 9.4 5 15.0 .0 SSW 12.0 SW WSW · U 6.0 .0 WNW NW NNW 8.0 VARBL CALM 100.0 14.7 TOTAL NUMBER OF OBSERVATIONS 2107 USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PRUCESSING BRANCH SURFACE WINDS ETAC/USAF AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) KHAJALFIN HARSHALL IS/BUCHOLZ 0000-026 (KNTS) DIR. 1 - 3 11 - 16 22 - 27 28 - 33 48 - 55 ≥56 6.8 1.0 3.9 8.1 3.4 11.3 4.1 12.2 6.0 14.6 NE 8.8 8.5 49.3 20.4 14.3 .0 Ł 1.3 13.6 ESE 2.4 10.9 SE 0.0 SSE 10.6 11.8 3 .0 .0 12.8 SSW 4.0 .0 SW WSW W .0 4.0 3.0 WNW NW .0 VARBL 18 6.3 14.2 100.0 TOTAL NUMBER OF OBSERVATIONS 2083 USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

١Į. DATA PRICESSING BRANCH SURFACE WINDS ETAC/USAF 5. AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND • DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) KWAJALFIN MARSHALL IS/BUCHOLZ ALL WEATHER SPEED (KNTS) DIR. MEAN WIND SPEED 7.9 N NNE 1.0 2.8 11.6 14,4 10.8 22.9 NE 4.6 2.0 21.6 12.3 ENE 7.6 3,1 .0 46.1 • Al 9.3 19.5 4.9 14,3 E 3.5 ·Q ESE 13.0 SE 10.0 .0 SSE 5 8.5 SSW . () 10.5 ō 11,0 SW WSW 5.0 WNW NW NNW VARBL 100.0 TOTAL NUMBER OF OBSERVATIONS 2085 C 1 USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH SURFACE WINDS ETAC/USAF 5 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) APR KWAJALEIN MARSHALL IS/BUCHOLZ 44-72 0600-0800 HOURS (L.S.T.) SPEED (KNTS) DIR. MEAN WIND SPEED 17 - 21 41 - 47 5.4 13.8 12.5 NNE 1.4 .d 11.0 5.0 ENE 0.8 19.2 3.5 9 13.6 4.3 ESE . 8 •2 5.3 SSE .0 \$ 8.8 7.4 17.0 SW WSW WNW 3.5 NW NNW .0 VARBL 7.7 14.5 17.7 42.8 26.5 100.0 TOTAL NUMBER OF OBSERVATIONS 2085

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0 DATA PROCESSING BRANCH ETAC/USAF SURFACE WINDS **5**. AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND U DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) (1 KWAJALEIN MARSHALL IS/BUCHOLZ 44-72 WEATHER 0900-1100 CONDITION SPEED (KNTS) DIR, MEAN WIND SPEED 1 - 3 7 - 10 11 - 16 17 - 21 22 - 27 28 - 33 N 6.9 NNE 3.6 7.0 11.8 21.4 3.1 ENE ESE SE SSE 3 SSW SW WSW w WNW 7.0 NW NNW VARBL CALM 100.0 14.7 TOTAL NUMBER OF OBSERVATIONS 2085 USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING RRANCH ETAC/USAF AIR WEATHER SEPVICE/HAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604	KWAJALEIN	MARSHALL	IS/BUCHNLZ	44-72		APR
HOITATE	TOWN DO NOT SEE	STATION NAM	it .		YEARS	MONTH
			ALL	HEATHER		1200~1400
	•			CLASS		HOURS (L.S.Y.)
				CONDITION		

SPEED (KNTS) DIR.	1 . 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.0		• 1	.1	.0							. 3	
NME		.0	.3	1.0	. 2	.1						2.3	13.9
NE		.3	3,4	11.6	6,3	2,0	. 2			<u> </u>		23.7	15.
ENE	.0	, 6			13.6	2.7	.0			<u> </u>		43.6	
Ł	. 1	,7	3.7			1.2						20.9	
ESE	.0	.4	1.2	2,3		.3				<u> </u>		5.6	
SE	. 1	.3	.4				•0					1.5	11.
SSE	. 1	.0	.2					[				. 8	
\$	.0	. 7	. 1	.2								. 5	
SSW	.0	-0				.0							
SW			.0									.0	?.
			• •										
WSW			.0									.0	9.
W			.0									, c	7.
WNW	.0	<u>.</u>										. 2	6.
NW	.0	• 1			<del></del>			i					
NNW	- • •	• •						-	<del> </del>		<u> </u>		
VARBL	<del></del>	<del></del>	$\overline{}$						$\overline{}$		$\overline{}$		
CALM		$\sim$											
	7	2.8	15.1		27.5	6,3	.3					100.0	14.

TOTAL NUMBER OF OBSERVATIONS

2005

USAFETAC SAN 64 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

	<u> </u>														ı
0 . <b>5</b> .	DATA PR ETAC/US AIR WEA	AF			F	DI	RECTION	AND S				SUF	RFACE	WII	1DS
(,	40604	KWAS	IALI IN	MARSHA	LL 15/	BUCHOL	7.	44	<b>-</b> 72	•				,	1PR
U	STATION			STATIO	N HÁME			EATHER			YEARS			×	0HTH 0=1700
U			-				CON	DITION		·					
()			-			<del></del>						<del></del>			
G		SPEED (KNTS) DIR.	1.3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
Çı		N NNE		.4	-2	1.5								. 6	8.6
ζ.		NE		• 3	3.8	11.6	5.3	1.9	- 4					2,5	15.0
		ENE	- 1	1.0		8.5	13.0	2,3	•0			<del> </del>		46.2	
		ESE	.0	,2	1.1	2,6		.0	- •					3.1	13,4
		SE SSE	-0			6	1				<u> </u>			1.5	10.5
		\$	0		.1	- 3	. 1	20			<del></del> -			- 6	9.7
		SSW_	0				.0							2	7.0
		sw	.0		-0									,1	6,0
•		wsw w		.0							<del> </del>	<del> </del>		-0	4.0
		WNW													
<b>X</b> *		NW									ļ	<u> </u>			5.4
		VARSL													5.8
<b>(</b> +		CALM	$\geq \leq$	$\ge$	$\geq \leq$	$\geq \leq$	$\ge$	$\geq \leq$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		
4.			. 6	3.5	15.7	49.0	25.0	5.2	4		L			100.0	14.5
()											TOTAL NUA	MBER OF OBS	ERVATIONS		2082
• .															
(1															
Ł															
				- FORM											
1			USAFETA	VC 144 64	)-8-5 (OL-1)	PREVIOUS EDITI	ONS OF THIS I	ORM ARE OBS	OFFIF						
	T						<del></del>								
	1														1

The state of

DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SEPVICE/MAC

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604	KWAJALEIN MARSHALL ISZBUCHOLZ	44-72	APR
STATION	STATION NAME	YEARS	HTROM
	ALL W	IEATHER	1800-2000
		ELASS .	HOURS (L.S.T.)
	CO	NOITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 · 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 1	.3	.3	• 2							]	• 9	8.
NNE		• l	.5	. 8	. 3	, À						2.1	14,
NE		. 3	4.1	9.6	4.7	2.1	. 1					20.7	14.
ENE	.2	, H	6.5	23.9	13.7	3.0	. 1					48.2	15.
ŧ	. 1	1.0	3.4	8.6	5.3	.7						19.1	14,
ESE	.0	.4	1.0	2.3	1.0							5.0	13.
SE	.0	.0	.4	.6								1.7	13.
\$\$E		• 2.	. 4	. 2	.2	.0						1.1	11.
5	.0	.0	.0									. 2	9.
SSW		. 1			•							.1	9.
sw	. 1									1		.1	3.
WSW		.0										• 0	4.
w			.0									• 0	
WNW	. 1									1		.1	3.
NW		.0										.0	
NNW		.1							1			.1	4.
VARBL								l			l		
CALM	><	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	$\geq \leq$	$\boxtimes$	> <	><	• 2	
	.7	3.5	16.8	45.1	25.9	6,6	, 3					100.0	14.

TOTAL NUMBER OF OBSERVATIONS

2081

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH SURFACE WINDS ETAC/USAF 5. AIR HEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVAT'ONS) KWAJALFIN MARSHALL IS/RUCHILL? 44-72 2100-2300 HOURS (L S.T.) ALL WEATHER MEAN WIND SPEED SPEED (KNTS) DIR. 17 - 21 22 - 27 48 - 55 ≥56 10.7 Z 12.2 14.6 14.6 9 3.0 8.3 HNE 18.0 8.7 NE 13,3 1.0 23.1 49.7 ENE .0 20.5 14.9 3,2 8,5 13,4 ES# 38 10.8 SSE 3 13,0 SSW , U sw YSW. 5.0 W WNW NW 4.0 NNW VARBL 100.0 TOTAL NUMBER OF OBSERVATIONS 2080 USAFETAC FORM 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

			_												
E . 5.	DATA PR FTAC/US AIR 4EA	AF			P	DIF	AGE FREG RECTION HOURLY	AND SI	PEED			SUR	RFACE	WIN	1DS
C	40604 ST/(10H	KWA,	ALEIN I	HARSHAI	LL 15/1	AUCHDL:	Z	44.	-72					\$1	ιΔΥ
t	ST <sup>2</sup> , (ION		-	STATIO	HANE			ATHER			YEARS			N.	04TH ) = 0.200 (L.S.T.)
ŧ							CON	DITION				<del></del>			
Į.						<del></del>					Υ		<u> </u>	Т	
ŧ		SPEED (KNTS) DIR.	1 - 3	4 - 6	7 · 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	%	MEAN WIND SPEED
(		NNE NE ENE	4	1.2	3.8 10.0	7.3	3.7 10.5	1.0	.0					1,0 17,3 45,6	9.0
(		E ESE SE	.3 .2 .3	1.1	5.0 2.2		4,9 .6	.9	.0					22.4 6.9 2.1	13,5
•		SSE S	,0 ,0	<u>. 4</u> . 2.		.2	.0	<u>.n</u>						1.4	9,4 8,4 9,3
ţ		SW WSW W	.0		2 1									,1 ,1	6,3 7,0 9,3
£.		NW NW NNW VARSL	0.0	.0	1									,2	6,4
<b>(</b> .		CALM	$\geq \leq$	$\geq \leq$	$\times$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\times$	X	$\times$	1.0	
t.			1.8	6,3	23.2	42.5	20.2	4.8	. 2	7.	TOTAL NUM	LER OF OBS		100.0	13.1 2198
<b>C</b> .															
4															
4			USAFETA	C FORM C	8 5 (OL·1)	PREVIOUS EDIT	IONS OF THIS F	ORM ARE OBS	)						
, <del>1</del> , <del>1</del>											- <del></del> -				

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DATA PROCESSING BRANCH 1 SURFACE WINDS ETAC/USAF 5 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) KUAJALFIN MARSHALL IS/BUCHOLZ YAH 0300-0500 HOURS (L.S.T.) ALL WEATHER £. SPEED (KNTS) 48 - 55 1 - 3 22 - 27 28 - 33 41 - 47 ≥56 6.1 NNE 9.3 17.4 13.6 3.1 7.1 14.0 ENE 20.0 11.2 21.0 13.3 11.5 <u>. n</u> 7.3 ESE .6 3.1 .0 1.0 10.1 9.0 SSE 9.5 5 SSW SW 'YSW 5.3 ,0 •0 WNW 6.0 .0 NNW VARBL CALM 100.0 13.1 TOTAL NUMBER OF OBSERVATIONS 2197 USAFETAC FORM 0.8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

C DATA PROCESSING BRANCH SURFACE WINDS FTAL/USAF 5 AIR HEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) KWAJALEIN HARSHALL IS/RUCHNIZ 44-72 0600-0800 ALL WEATHER MEAN WIND SPEED SPEED (KNTS) 17 - 21 41 - 47 48 - 55 ≥56 4.8 10,4 NNE 1.1 9.0 10.8 44.7 19.7 ENE ŧ ESE 2.9 10.0 SE 8,5 6,9 ō SSW WSW ,ñ WNW NNW VARBL CALM 13.4 100.0 TOTAL NUMBER OF OBSERVATIONS 2198 USAFETAC FORM 0-8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Ĺ DATA PRUCESSING BRANCH ETAC/USAF SURFACE WINDS 5 AIR WEATHER SERVICE/HAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) KYAJALFIN MARSHALL IS/RUCHTILZ 40604 44-72 YAN ALL WEATHER 0900-1100 CONDITION SPEED (KNTS) DIR. MEAN WIND SPEED 1 - 3 4 - 6 7 - 10 11 - 16 17 - 21 48 - 55 ≥56 NNE NE 7.3 3.1 10.9 ENE 14.6 E 12.6 1.0 13.8 £5E 15.1 SE 10.7 SSE 9.5 5 7.6 SSW 5.0 SW WSW 9.5 WNW NW 6.6 NNW 6,3 VARSL CALM 100.0 13.7 TOTAL NUMBER OF OBSERVATIONS 2198 USAFETAC FORM 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Ľ TATA PRUCESSING BRANCH SURFACE WINDS ETAC/USAF **5**. AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND C DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) KWAJALETH MARSHALL IS/RUCHOLZ 44-72 1200-1400 HOURS (L.S.T.) SPEED MEAN WIND SPEED (KNTS) DIR. 1 - 3 7 - 10 11 - 16 17 - 21 22 - 27 28 - 33 34 - 40 41 - 47 48 - 55 ≥56 N 6.9 10.3 NNE 14.2 NE ENE 22.4 2.2 E 5.1 13.4 6.6 ESE SE SSE 8.3 5 8.1 8.0 SSW 6.8 SW WSW W WNW NW 6.0 NNW CALM 100.0 13.6 TOTAL HUMBER OF OBSERVATIONS 2195 USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE COSOLETE

Ĺ DATA PROCESSING BRANCH SURFACE WINDS ETAC/USAF 5 AIR WEATHER SERVICE/HAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 40604 KHAJALFIN MARSHALL IS/BUCHILZ 44-72 MAY 1500-1700 HOURS (LIST.) ( ALL WEATHER SPEED MEAN (KNTS) 1 - 3 7 - 10 11 - 16 17 - 21 22 - 27 28 - 33 41 - 47 48 - 55 ≥56 WIND SPEED 10.9 4.1 8.1 17.5 14.0 NE 3.2 43.7 14.3 ENE 22.5 2.1 23.7 3,6 12.9 ESE 9.3 SE 9.7 SSE 9.0 \$ . 0 10.0 SSW SW 10.8 6.3 WSW 6.6 WNW 6.0 4.0 NW NNW VARSL CALM 100.0 13,2 TOTAL NUMBER OF OBSERVATIONS 2196 USAFETAC  $\frac{\text{FORM}}{\text{JM 64}}$  0 8-5 (OL-1) previous editions of this form are obsolete

ſ. DATA PROCESSING BRANCH SURFACE WINDS ETAC/USAF 5 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) KWAJALFIN MARSHALL IS/BUCHILZ 44-72 1800-2000 HOURS (L S.T.) SPEED (KNTS) DIR. MEAN WIND SPEED 1 - 3 41 - 47 4 . 6 7 • 10 11 - 16 17 - 21 22 - 27 28 - 33 34 - 40 48 - 55 ≥56 % NNE 10.3 8.6 21.3 10.2 14.0 3.6 3.4 10.2 NE 18.3 46.2 ENE 12,3 ESE 10.2 SE SSE 7.1 5 5, SW WSW w WNW NNW 4.7 VARBL CALM 13.2 100.0 TOTAL NUMBER OF OBSERVATIONS 2197 USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE 1

DATA PROCESSING BRANCH ETAC/USAF C SURFACE WINDS 5 AIR WEATHER SERVICE/HAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) KWAJALFIN MARSHALL IS/BUCHOLZ 40604 2100-2300 HOURS (L.S.T.) ALL WEATHER MEAN WIND SPEED SPEED 7 - 10 17 - 21 22 - 27 28 - 33 41 - 47 48 - 55 ≥ 56 (KNTS) DIR. 1.3 11 - 16 NNE 13.9 NE 1.1 10,2 20.4 9.8 45.1 13.9 ENE 2.0 13.9 £ 12.6 ESE 10.6 SE 13.6 SSE 9.9 \$ SSW SW WSW WNW 3.0 NW NNW VARBL CALM 13,4 100.0 U TOTAL NUMBER OF OSSERVATIONS 2196 USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE 1

The later.

1 DATA PROCESSING BRANCH SURFACE WINDS FTAC/USAF 5 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND 1 DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) \$ JUN KWAJALFIN HARSHALL IS/BUCHILZ 0000-0200 1 HOURS (L.S.T.) L SPEED (KNTS) DIR. MEAN WIND SPEED 7 - 10 11 - 16 17 - 21 22 - 27 28 - 33 48 - 55 HNE 8,7 4.4 14.4 1.6 NE .0 ENE 21.5 13.0 ŧ 6.8 11.0 ESE 3.3 9.9 SE SSE .5 5 SSW .0 4.5 SW ,0 WSW 10.7 .0 W 8.0 WNW NW NNW 4.4 VARBL 1.2 100.0 12.3 TOTAL NUMBER OF OBSERVATIONS 2037 USAFETAC PORM 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOCETE

Ü DATA PROCESSING BRANCH SURFACE WINDS ETAC/USAF 5 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) kWAJALEIN MARSHALL IS/BUCHILZ 44-45,47-72 40604 0 100-0500 HOURE (L.S.T.) ť. SPEED (KNTS) DIR. 1 - 3 7 - 10 17 - 21 ≥56 11 - 16 22 . 27 28 - 33 41 - 47 48 - 55 NNE 9.8 5.4 22.5 2.4 12.7 NE ENE 1.0 ESE 10.0 SE SSE 10.3 8,6 8.8 Ü .0 wsw WNW NNW CALM 100.0 12.2 TOTAL NUMBER OF OBSERVATIONS 2034 USAFETAC FORM 0 8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Ç **5** DATA PRUCESSING BRANCH SURFACE WINDS FTAC/USAF AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND (. DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) KWAJALEIN MARSHALL IS/BUCHOLZ 40604 44-45,47-72 JUN 0600-0800 HOURS (L.S.T.) MEAN WIND SPEED SPEED (KNTS) 1 - 3 7 - 10 17 - 21 22 - 27 \* 11 - 16 41 - 47 48 - 55 ≥54 DIR. 7.4 X • 2 .1 •0 2.3 8.2 1.6 HHE 8,0 4.1 14.1 13.2 23.0 1.0 44.0 13.2 ENE 12.5 25.7 4.3 13.0 1.4 4.4 1.4 2.8 11.0 ESE •0 3.6 SE \*6 .0 11.6 SSE .0 6.5 3 6.7 SSW 8.1 • 0 SW .0 11.0 WSW •0 W 5.5 WNW .0 9.0 NW 9.5 .0 NNW VARSL CALM 12,5 100.0 TOTAL NUMBER OF OBSERVATIONS 2040 C USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

_4	STATION				P		ECTION	AND SI				SUR	FACE	NIW	1DS
	OGO4 KWAJALFIN HARSHALL IS/BUCHOLZ 44-45,47-72  STATION AND YEARS  ALL HEATHER  CLASS														IUN
															)=1100 (La.Y.)
			****			······································	CONI	DITION							
			_			<del></del>	<del></del>	<del></del>		<del></del>					
		SPEED (KNTS)	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND
	N 3 1 NNE 1 5 7 3 0 0													.4	SPEED 5
	NNE 1 5 7 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													12.7	8.
	ENE 0 1.0 7.9 23.6 8.2 1.2 .0													42.0	13.
	<b> </b>	ESE	.2	1.0	2.7	14.7	3.0	- 6	.0	•0				28.2	13.
	Ì	SE	.0	,7	.7	•6	.2							2,3	9.
	}	\$5E \$	2	2	- 5	3								1.4	8.
	}	ssw	.0		4	.0								. 7	7,
		sw		0,	. 2									. 2	8.
	}	wsw w		.0 .0		.0							<u> </u>	0	3,
	ľ	WWW		• • •		• •								- 4 *	
	<b>,</b>	NW			1									- 2	6.
	ŀ	NNW VARSL												- 1	4,
	ļ	CALM	> <	> <	> <	><	><	> <	> < 1	>	$\overline{}$	$\overline{}$	$\overline{\mathbf{x}}$	8.	
	t		1 1	٨ ١	23.6	49.4	16.1	2.7		.0				100.0	12,
			·			7,7,7		<b>St. B.</b> [ ]			TOTAL NUM	BER OF OBS		100 101	204
			USAFETA	O 108M 0	8-5 (OL-1)	PREVIOUS EDITI	ONS OF THIS F	ORM ARE OBSC	ara x						

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DATA PROCESSING BRANCH Ľ. SURFACE WINDS ETAC/USAF AIR HEATHER SERVICE/MAC 5 PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 40604 KWAJALFIN MARSHALL IS/BUCHNLZ 44-45,47-72 HUL 1200=1400 HOUNS (LIST.) SPEED MEAN WIND SPEED (KNTS) 7 - 10 17 - 21 22 - 27 41 - 47 8.1 NNE 10.2 6.2 23.3 13.6 12.5 NE 3,6 .0 7.0 ENE 30.3 13.9 13.0 E 11.6 9.6 SE 10.1 SSE 5 SSW 3.4 SW WSW W WNW 6.7 NW WHH VARBL 100.0 12.6 TOTAL NUMBER OF OBSERVATIONS 2036 USAFETAC  $\frac{\text{form}}{\text{JM, 64}}$  0.8-5 (OL-1) previous editions of this form are obsolete

<b>6</b> . <b>5</b> . <b>6</b>	DATA PRI ETAC/US AIR WEA	<b>AF</b>			Р		AGE FREG RECTION HOURLY	AND SE	PEED			SUR	FACE	WIN	1DS
(.	40604 STATION	KMAJ	ALFIN A	ARSHA!	<u>L 15/1</u>	лисног:	7	44.	45,47	-72	rEARS				UH
ć	•		_					ATHER							)=1700 (L.S.T.)
C							CON	D1710M							
,			_	·			<u></u>								
(		SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
C		N _	.0		2	1								.6	0.8
		NNE		.3	- 9	1.1	2							2.5	11.1
		NE NE		. 8	4.3	7.0		<u> </u>	0		ļ	ļ		14.7	13.2
		ENE	2	1.0	9.1	21.8	5,8 4.7	. B	•1		<b></b> -	<b></b>		26.9	13.1
		ESE	41	1.2	3.0	4.1)	7.5	.0				<del> </del>		9.0	11.0
		SE	.1	ห	. 9	1.0	. 2	i						3,2	10.4
		SSE	1		3	. 4	- 0	.0						1.1	10.5
				2	4	3						ļ		1.7	9.1
		SSW SW	.0	- 1	<u>.2</u>	.0						<del>                                     </del>		.2	7.4
(		WSW	- •0									<del>                                     </del>		•-	
,		w			.0									0	8.0
		WNW	0		1									. 3	5.7
(		NW WHH	• <del> </del>		—• <del>!</del>	0					<del> </del>	<b></b>			5.8
		VARBL	- 4 4			0					<u> </u>	<del> </del>		"	0.1
(		CALM	$\times$	$\geq$	> <	$\times$	$\times$	$\times$	> <	$\geq \leq$	$\geq$	$\geq$	$\boxtimes$	. 5	
			1.5	6.5	26.2	49.4	12.9	2.7	2		<u> </u>			100.0	12.4
(											TOTAL NU	ABER OF OBS	ERVATIONS		2040
ţ															
C															
E			USAFETA	C PORM C	8-5 (OL-1)	PREVIOUS EDIT	IONS OF THIS	FORM ARE OBS	O.ETE						

C DATA PROCESSING PRANCH SURFACE WINDS ETAC/USAF 5 AIR WEATHER SERVICE/HAC PERCENTAGE FREQUENCY OF WIND C DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) C 40604 KHAJALEIN HARSHALL IS/BUCHILZ JUN 44-45,47-72 1800~2000 ALL WEATHER C Ü C MEAN WIND SPEED SPEED (KNTS) DIR. 1 - 3 7 - 10 17 - 21 22 - 27 28 - 33 41 - 47 48 - 55 ≥56 N 9.7 HHE NE 6.3 21.8 6.0 13.0 ENE 26.3 12.3 12.0 E ESE 10.3 SE SSE 11.0 \$ 13.6 SSW 10.8 SW WSW 6. WNW <u>5.</u> NW NHW VARBL CALM () 100.0 12,3 U TOTAL NUMBER OF OBSERVATIONS 2940 USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PRUCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/HAC

#### SURFACE WINDS

2100-2300

2039

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL WEATHER

KWAJALEIN MARSHALL IS/BIICHIILZ 44-45,47-72

					COM	BITION						
,										<del></del>	ı————	л — — — — — — — — — — — — — — — — — — —
SPEED (KNTS) DIR.	1.3	4+6	7 - 10	11 - 16	17 • 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥36	*
N	0	•2	- 4	0								
NNE	.0	. 3	. 9	.7		0						2
NE	1	.7	4.8	5.7	1.4	lal						13.
ENE	. 1	1.9	10,9	31.6	6,3	1.2	.0	.1				42.
ŧ	ı	1.1	7.1	13,3	4.8	. 5						26.
ESE		. 5	2.6	3,6	, 4	. 2						7.
SE	. 2	. 7	.7		.0	.0						1.
SSE	n		7	.2	1			.0				1.
\$	1	. 3	5	. 7		.0						1.
55W	.0	, 3	. 2	()								
SW	. 1	.0			.0							
WSW												
w		1	٥٠ـــــــ									
WNW												
NW		1	0									
NNW		n.								<u> </u>		
VARBL	<u> </u>											
CALM	$\geq \leq$	$\geq \leq$	$\geq$	$\times$	$\geq \leq$	$>\!\!<$	$\geq \leq$	$\times$	$\geq \leq$	$\geq \leq$	$\times$	1.
	1.1				13.1	3.2						100.

USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS

C

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C . DATA PRUCESSING BRANCH SURFACE WINDS ETAC/USAF 5. AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND C DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) ( KWAJALFIN MARSHALL IS/RUCHILZ 44-72 40604 0000-0200 HOURS (L.S T.) ALL WEATHER ( MEAN WIND SPEED 4 - 6 7 - 10 11 - 16 17 - 21 28 - 33 48 - 55 ≥54 1 - 3 22 - 27 (KNTS) DIR. ( 5.1 6,9 • 9 NNE 9.17 4.0 .6 3.6 12.9 10.5 4.6 11.7 2.6 3.3 33.8 ENE 28.8 11.0 ŧ 10,4 ESE 9.4 1.6 9,1 SE SSE \$ 6.4 ,2 SW WSW W WNW NW 5.8 NNW VARBL 2.5 100.0 9.8 TOTAL NUMBER OF OBSERVATIONS 2199 1 ¢ USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

C DATA PRUCESSING BRANCH SURFACE WINDS ETAC/USAF 5 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 40604 KWAJALFIN MARSHALL IS/BUCHOLZ 44-72 ALL WEATHER 0300-0500 HOURS (L S.T.) SPEED MEAN 7 - 10 22 - 27 28 - 33 (KNTS) DIR. ≥56 4.9 N 1.0 5.0 1.0 2.6 9.7 NHE NE 12.9 ENE 4.0 12.2 33.5 10.0 4.0 10.1 25.6 10.7 . 4.7 ESE 1.7 4.0 3.3 9.8 SE 9.3 1.9 1.0 1.2 SSE 1.0 2.2 8.3 5 ,2 8.5 .6 .3 أقو 7.0 \$\$.A 1.0 .1 . 2 SW. .2 W\$W .0 8.6 3.9 w .0 WHW .0 7.1 3.6 .0 • NW NNW .0 6.5 VARBL 2.9 CALM 7.0 35.9 31.6 16.8 100.0 9.7 C TOTAL NUMBER OF OBSERVATIONS 2201 C USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

€. DATA PROCESSING ARANCH SURFACE WINDS ETAC/USAF AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 40604 KWAJALEIN MARSHALL IS/BUCHULZ 44-72 ALL WEATHER MOURE (L.E.Y.) SPEED (KNTS) DIR. MEAN WIND SPEED 7 - 10 17 - 21 11 - 16 22 - 27 ≥54 5,7 NNE 5.6 1.7 3.9 10,2 11.7 2.0 11,3 29.8 10.8 ENE 11.5 10,1 ESE 1.5 3.6 SE 1.0 1.0 10,5 SSE 6 \$ SSW ,3 ,2 SW WSW 5.6 WNW 3.8 NW 8.0 NNW VARBL 3.0 TOTAL NUMBER OF OBSERVATIONS 1022 USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

C DATA PROCESSING BRANCH SURFACE WINDS ETAC/USAF 5 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) C KWAJALFIN MARSHALL IS/BUCHOLZ 40604 JUL 0900-1100 ALL WEATHER HOURS (L.S.T.) CONDITION SPEED (KNTS) DIR. MEAN TYIND SPEED 1 - 3 7 - 10 11 - 16 17 - 21 22 - 27 ≥54 7.9 N 1.0 NNE 2.2 1.9 10.0 3.0 NZ 4.2 .0 10.6 2.5 9.5 ENE 2.0 . 3 28.0 10.9 11.0 29.8 ŧ 2.5 5.0 4.2 .0 12.8 9.9 SE 8.4 1.7 .0 4.0 1.1 SSE • (1 10.3 3 ٠ń . 5 6.2 1.0 6,3 SSW .3 .0 6.3 ٤, • 3 8.2 Ů. WSW .1 w 4.7 WNW 5.2 NW • Z 6.8 NNW VARBL CALM 100.0 10.2 TOTAL NUMBER OF OBSERVATIONS 2149

USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVIÇE/MAC

#### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604	KNAJALEIN MARSHALL IS/BUCHOLZ	44=72		JUL
STATION	STATION NAME	<b>Y</b>	EAR\$	KTROW
	AL	LHEATHER		1200-1400
		CLASS		HOURS (L.S.T.)
		COMPLETION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 • 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1	7	. 5	1								1.5	
NNE	3		1.0									2.8	7.6
NE	- 4	_1.5	3.5	4.0	5				<u> </u>			9.9	10.2
ENE	. 8	2.4	2,3	11.4	1.9	.4	• 0					25.2	11.3
ŧ	. 5	3.0	10.8		3,5	نې						31.8	11.4
ESE	.3	2.0	5.2	4.5	4							12.7	10.2
SE	. 4	2.0	2.0	1.3	3	0						6.1	8.6
SSE	4	1.1	Lal	.7	. 2							3,6	8,6
\$	. 4	Ď	8	.1	•							2.0	6,1
SSW	.0	,3	.3	. 7.	.0							1,0	8,6
sw	.1	.0	. 1	.0								.4	7,0
WSW	.0)	1	1	.0								. 3	7,4
w	, l	. 2	. 3	1								.7	7.1
WNW	.2		.0	.0								, 3	4.8
NW	. 1	.3		.1								. 6	5.5
WMM	.1	, 2	.1	, 1								. 5	5.9
VARBL													
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\mathbb{X}$	$\times$	><	$\times$	$\boxtimes$	$\times$	$\times$	•'7	
	4.4	15.6	34.3	37.4	7.1	5	. 0					100.6	10.3

TOTAL NUMBER OF OBSERVATIONS

2198

USAFETAC  $\frac{RCSM}{JAS-64}$  0-8-5 (OL-1) previous editions of this form are obsolete

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CDATA PROCESSING BRANCH SURFACE WINDS ETAC/USAF 5 AIR WEATHER SERVICE/HAC PERCENTAGE FREQUENCY OF WIND Ü DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) KWAJALEIN MARSHALL IS/BUCHOLZ 44-72 40604 1506-1700 ALL WEATHER (, SPEED MEAN WIND SPEED (KNTS) 1.3 6.8 N 1.4 4.5 10.7 8.4 NNE 10.7 9.5 NE 3.0 10.7 ENE 3.2 11.0 27.6 11.3 2.6 27.8 ŧ 10.4 11.2  $\frac{5.1}{2.3}$ ESE 2,0 8.6 SE 1.0 1.6 SSE 1.0 1.1 3 1.2 SSW SW .2 8.1 WSW W WNW NW •0 NNW VARBL 1.1 CALM 100.0 9,9 TOTAL NUMBER OF OBSERVATIONS 2199 L

USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

© . 5. C	DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/HAC DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)	SURFACE	WINDS									
Ç	40604 KWAJALFIN HARSHALL IS/BUCHILZ 44-72	<del></del>	JUL									
C	ALL WEATHER CLASS		1800-2000 HOURS (L.S.T.)									
C	COMDITION											
C	SPEED (KNTS) 1.3 4.6 7.10 11.16 17.21 22.27 28.33 34.40 41.47	48 - 55 ≥ 56	MEAN WIND									
C	N 44 55 22 40		1.2 5.0 3.7 8.1									
•	NE .7 2.0 5.6 3.7 .5 .0 ENE 1.0 4.1 17.1 10.9 1.8 .2		12,0 9,3 30,1 10,4 20,1 10,6									
•	ESE .4 1.9 3.7 3.0 .0 .3 SE .4 1.1 1.5 .7 .2		10.1 10.3									
C.	5 4 5 6 1 2 0 ssw 2 2 2 1 0		2.6 8.8 2.0 8.1 .7 8.1									
C	sw		.6 7.1 .4 7.4 .3 6.8									
(	WNW 0 0 0 0 0 0 NNW 0 0 5 0 0 0		.0 6.0 .1 6.0									
C	VARBL CALM		2.6									
C	5.1 18.0 36.7 29.9 6.8 .9 TOTAL NUMB	SER OF OBSERVATIONS	100.ni 9.6									
(,												
C												
4	USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE											
<del></del>												

w « « » »

DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

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### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604 STATION	KHAJALEIN	HARSHALL IS/BUCHOLE	2 44=72	YEARS	 JUL
			ALL WEATHER		210042300 HOURS (L.S.T.)
			CONDITION		
	•				

SPEED (KNTS) DIR.	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	49 - 55	≥56	*	MEAN WIND SPEED
×	. 5	.6	.3	.0	•0							1.6	
NNE	. 2	1.2	1.6	. 3								3.3	7
NE	. 5	1.9	4,9	2.8	. 5							10.5	9
ENE	1.2	4.6	11.8	12.4	2.0	.3						33.2	10
E	,7	4.1	9.4	10.3	3.1	.3						27.9	- 11
ESE	. 5	2.1	3.5	3,5	.7	• 1						10.4	10
SE	. 5	8.	1.5	٥.	.1	•0						3.6	8
SSE	Q.	ė ń	. 8	. 6	.1	.0						2.2	9
5	. 5	•4	. 4	. 7								1.6	6
SSW	. 1	٤,	. 2	• 1	. 1							. 7	7
SW		, 5	. 7									. 7	6
WSW	. 1	,2	• 1	.2								•6	. 8
*	·U	. 1	. 1	, LX								. 3	- 6
WNW	.0	•4	0	.0								. 5	5
WW	. 1	. 1	.0									- 34	5
NNW	. 1	, 1	.0									. 3	4
VARBL													
CALM	$\supset \subset$	> <	><	><	><	$\times$	><	><	$\supset <$	$\supset <$	><	2.3	
	5.1	18.0	35.0	32.2	6.7	.7						100.0	9

TOTAL NUMBER OF OBSERVATIONS 2200

USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

C DATA PROCESSING BRANCH SURFACE WINDS ETAC/USAF 5 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND ( DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 40604 KWAJALEIN MARSHALL IS/RUCHILZ 44-72 λUG 0000-0200 ALL WEATHER HOURS (L.S.T.) COMPLYION C 1 SPEED MEAN WIND SPEED (KNTS) 1 . 3 11 - 16 U 1..7 3.1 10.8 NNE 7.8 NE 10.3 5.1 ENE 26.1 22.1 4.5 10.1 E ESE 9.5 8.0 5.7 1.0 2.5 SE 8.1 7.2 7.1 SSE 1.0 2.6 \$ 3.1 SSW 5W 1.3 WSW W . 1 WNW 5.7 7.4 NW NNW VARSL () CALM 100.0 8.4 (1 TOTAL NUMBER OF OBSERVATIONS 2199 () 0 USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE 1

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C DATA PROCESSING BRANCH SURFACE WINDS ETAC/USAF 5. AIR WEATHER SERVICE/HAC PERCENTAGE FREQUENCY OF WIND C DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 40604 KWAJALFIN HARSHALL IS/BUCHOLZ AUG 0300-0500 HOURS (L.S.T.) ALL WEATHER C SPEED (KNTS) DIR. MEAN WIND SPEED 1.3 17 - 21 22 - 27 41 - 47 40 - 55 ≥56 5.7 7,7 8.8 NE Lak 3.0 4.8 3.0 12.4 7.4 ENE 9.1 9,7 4.2 23.6 10.0 8.6 9,3 ESE 4.11 1.5 2.0 5.1 332 1.0 1.4 SSW WSW WNW WHM 6,7 VARBL 5.7 CALM 10.0 8.4 TOTAL NUMBER OF OBSERVATIONS 2198 £ USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE 1

DATA PROCESSING BRANCH ETAC/USAF AIR MEATHER SERVICE/MAC

C

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604 STATION	KWAJALTIM MARSHALL IS/BUCHNLZ	44-72	ΔUG
STATION	BYAY MANE	YEARS	ионүн
	ALL	HEATHER	0600-0800
		CLASS	HOURS (L.S.Y.)
		CONSTIUM	

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	.6	1.5	•5	•1								2.7	5.3
HNE	. 5	1,0	1.1	.2								2.8	6.1
NE	,9	3,3	5,0		5							13.1	9.0
ENE	1.0	4.2	8.7	7.5	1.2	.2						23.0	9.8
1	1,1	3.1	10.0	7.5	1.0	.3						25.0	10.0
a.	. 2	2.9	4.3	3.0	. 8	• )						11.3	9.6
5E	. 5	1.6	2.4	8	• 1							5.4	7.9
\$5E	. 3	,9	1.1	. 7	• 1							3.1	8.5
\$	,4	٧.		. 5	• 1							3.1	7.7
SSW	, U	. 5	,7	د								1.0	8,9
sw	.2	. 6	• 5	• 2.	• 1							1.6	7.5
WSW	. 3	. 3	.2	.2	1							1.1	8.4
w	. 4	Ÿ	4	•								1.7	5.8
WNW	. 2	. 3	. 4	.0	•0							1.0	6.3
NW	. 1	.2	.2		.0							• 6	6.1
NIAM	1	•3	.0									. 6	6.1
VARBL													_
CALM	$\geq <$	$\geq \leq$	$\times$	$\times$	$>\!\!<$	$\times$	$\times$	$\geq \leq$	$\geq \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$	$\times$	$\geq \leq$	4.2	
	6.9	22.4	36,9	24.8	4.0	.9						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

2200

USAFETAC FORM 0.8.5 (OL-1) previous editions of this form are desorted

DATA PROCESSING BRANCH €, SURFACE WINDS ETAC/USAF 5 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND (, DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) C KWAJALEIN MARSHALL IS/RLICHILZ 44-72 0900-1100 HOURS (LS.Y.) ALL HEATHER C ű. SPEED (KNTS) DIR. MEAN WIND SPEED 7 - 10 17 - 21 1.3 4 - 6 11 - 16 C N 6.) 2.9 NNE .6 1.4 1.0 7.1 6.3 ů NE 4.0 9.5 9.3 €. 10.2 3.5 ENE 23. 8.4 10.4 .5 10.5 8.2 24,5 10.4 3,4 .5 ESE 13,3 2,3 5.5 4.2 9.8 4 SE 9,4 8.5 3 332 1.2 1.9 \$ SSW SW WSW , 3 0 W WNW 5.3 KW 7.1 NNW .0 1.0 VARBL 2.5 CALM 100.0 9.2 TOTAL NUMBER OF OBSERVATIONS 2201 USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH C SURFACE WINDS ETAC/USA" 5 AIR WEATHER SERVICE/HAC PERCENTAGE FREQUENCY OF WIND ( DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) KWAJALFIN HARSHALL IS/BUCHTLZ 40604 ALL WEATHER 1200-1400 C 10485 (L.S.Y.) MEAN WIND 5/3ED SPEED 7 - 10 (KNTS) DIR. 17 - 21 22 - 27 2.0 3.4 6,7 NNE 1.5 1.1 3.5 7.8 2,0 0.6 8.7 2.1 10.8 8.1 20.0 ENE 2.3 11.6 4.0 1.5 27.0 ŧ 13.0 ESE 2.4 4.0 .0 6.0 ٥, 7.1 2. 8 8.5 2,0 1.3 8.4 1.3 4.5 3.5 1.9 SSE 1.8 1.0 \$ SSW .8 WSW .0 .3 W WNW NW .5 <u>•</u>7 6.4 VARSL 1.6 100.0 9.2 TOTAL NUMBER OF OBSERVATIONS 2199

USAFETAC  $\frac{\text{FORM}}{\text{JR. 64}}$  0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

5 6	DATA PRUCES: ETAÇ/USAF AIR WEATHER			P	DIF	AGE FREG RECTION HOURLY	AND SP	EED		-	SUR	FACE	WIN	IDS
C C	40604 KS	L MIBLALAH	IAH 2 RAM	L IS/	иснаг	ALL WE		.72	V	EARA			160	MG 0878 0-1700
c		_					KOITIC						70020	16.5.1.7
£	SPEE (KNY	S) 1 · 3	4.6	7 - 10	11 - 16	17 - 21	23 · 27	28 - 33	34 - 40	41 - 47	44 - 55	≥54	*	MEAN WIND
Ć	DIR	3	8.										1.7	SPEED 6 . 2
Ĺ	NN NE ENI	6	1.0 2.4 3.1	3.5 8.9	2.1 7.4	1.0	3		.0				7.1 9.0 21.3	7,3 8,7 10,2
Ć	E	6 7	3.8 2.6 2.0	11.4 6.1 2.4 1.5	8.5 2.8 1.2 1.1	1.5 .5 .2	•1 •0						26.3 12.6 6.6 4.2	10.0 9.1 8.1
(	\$ \$55V \$W	, 4		1.1									3.9 2.3 1.5	8,8 7,1 7,5 7,9
Ć	WS1 WM	w .1	-4 -5 -3	.3									1.0	6.5
C	NW NM VAR	v 2 v 3	.6	.6	-1	•0							1.3	6.8
Ĺ	CAL		$\times$	$\geq$	$\boxtimes$	$\geq \leq$	$\geq$	$\geq$	$\geq \leq$	$\times$	$\geq$	$\bowtie$	1.5	
(	L	6.5	21.9	40.1	25.3	4.2	6		-0	TOTAL NU	NAER OF OBS		100.0	8,9 2199
£														
£														
ŧ		USAFETA	AC NA 66	8-5 (OL-1)	PREVIOUS EDIT	IONS OF THIS	FORM ARE OBS	MITE						

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( DATA PROCESSING BRANCH SURFACE WINDS ETAC/USAF 5 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND ( DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) KWAJALEIN MARSHALL IS/BUCHOLZ 40604 AUG 44-72 ALL WEATHER 1800-2000 ( SPEED (KNTS) DIR. MEAN WIND SPEED 7 - 10 11 - 16 ≥54 5.7 1.8 NNE 7,1 1.5 3.1 4,0 23.9 8.0 NE 3.0 4.5 10.4 ENE .1 4.2 10,6 8.5 I. 25.2 ESE 2.1 4.1 10.9 .6 3,3 .0 SE .0 1,3 SSE .4 -8 1.2 3 , 5 2.6 1.1 .3 ,5 2.0 1.0 SSW .0 SW 1.0 .3 6.1 WSW ,5 1.0 -3 WNW ,4 <u>.</u>al 0.6 6.0 NW . 3 الله WHM YARBL CALM 100.0 8.5 TOTAL NUMBER OF OBSERVATIONS 2200

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

NE																
### A 106 O	<b>5</b> .	ETAC/US	ДF			P	DIF	RECTION	AND SP	EED			SUR	FACE	WIN	IDS
C SPEED 1.3 4.6 7.10 11.16 17.21 22.27 28.33 34.40 41.47 48.55 256 % MANN WIND DIR. 1.3 4.6 7.10 11.16 17.21 22.27 28.33 34.40 41.47 48.55 256 % MANN WIND DIR. 1.0 2.46 3.5 2.1 1.1 1.4 1.0 2.46 3.5 2.1 1.1 1.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	£	40604 STATION	KHA.	IALFIN	AH2 RAH	LL IS/	виснац	7	44.	-72		I EARS			A	UG
SPEED   1.3   4.6   7.10   11.16   17.21   22.27   28.33   34.40   41.47   48.55   254	C			-						•		·····	<u>—</u>		2100	=2300 (La.t.)
Column   C	t.			-			<u></u>	CON	BITION			,	<del></del>			
( (NNTS) 1.3 4.6 7.10 11.16 17.21 22.27 28.33 34.40 41.47 48.55 256 % WIND DIR.    N	£.			·	1				1						<del></del>	
No.	Ĺ		(KNTS) DIR.						22 · 27	28 - 33	34 - 40	41 · 47	40 - 55	≥54		WIND SPEED
ENE	r		NNE	1.0	1.2	1.1	2.1	0							3.1	7.2 8.2
SE	,		1	1.0	4.9	10.8	7,7	3.2							25.6	9.6
SSW 2 4 7 3 0 0 0 1 0 6 6 0 SW 2 5 4 1 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C		SE SSE		1.4	2.0	, B	•1 •3	Q						5;1 3,1	7,7
WSW 3 4 1 0 0 7 4 0 7 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ĺ		SSW			.7	.3		•0						1.6	8.5
NW	Ĺ		wsw w	2	• 3		.0								. 8 ?	3.2
C CALM 7.7 20.8 37.9 23.7 4.4 .6 TOTAL NUMBER OF OBSERVATIONS 2200	C		NW	4	.3										.9	5.1
TOTAL NUMBER OF OBSERVATIONS 2200	C			$\geq$	$\times$	$\times$	$\boxtimes$	$\times$	$\geq$	$\geq$	$\times$	$\geq$	$\times$	$\boxtimes$	4.9	
£ 1	٤		L	7.7	20.8	37.9	23.7	4.4	46			TOTAL NU	ABER OF ORS		100.0	8.5
1	Æ														<del></del>	2200
	_															
USAFETAC JUL 44 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE	4			USAFET	AC FORM (	) 8·5 (OL·1)	PREVIOUS EDIT	IONS OF THIS I	FORM ARE GRESC	nere						

	Ì														ı
<b>U</b> . <b>5</b> . U	ETAC/U	RUCESSIF SAF ATHER SE			F		AGE FRE RECTION HOURLY	AND S	PEED		***************************************	SUR	RFACE	WII	<b>NDS</b>
U	40604	KWA.	IAL FIN	HARSHA	LL 157	BUCHUL	7	44	<b>-</b> 72					,	SEP
_	PAALION		JALFIN !	STATIO	N HANE						YEARS				MTMO
()			_				ALL M	<u>eather</u>						OOO O	0=0200
								DITION				<del></del> -			
G							,,,,								
			-												
U		SPEED			<u> </u>	1	1		<del> </del>	1	1	<del>~~~~</del>	I	<del></del>	
€;		(KNTS) DIR,	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
		N	4	1.2	1.1	2								2,9	
		NNE		2.2	2.0			ب م						5.3	6,7
(		NE ENE	1.0	2.7 4.3				-1			<del> </del>			10.1	8.7
		E	1.7	4.7			1.3	3			<del> </del>			20.2	9.2
		ESE	. 5	1.7	3.0					<del> </del>	<del>                                     </del>	<b></b>		8.3	
-		SE	. 3	1.7	2.0	1.0		<b>(1)</b>						5,1	7.8
		SSE	. 3	1.4	1.9	.6								4,3	7.8
_		<u>s</u>		l.l	1.7			•0						4,6	8,9
		SSW		. 5	Lel	34				<del> </del>		<del></del>	<u> </u>	2,4	7,6
,		sw wsw	.3	.8		.7					<del></del>			1.9	
•		w	.5	.7		7.	<del></del>							2.0	6.2
		WNW	. 2	.3							i			. 8	5.0
1		NW	. 5	.7		-1	.0							2.0	6.4
•		NNW	. 3	3	1	1								. 8	6.1
		VARBL				<del></del>						<u> </u>	<b>-</b>		
(		CALM		$\geq \leq$			$\geq$	$\geq \leq$	$\geq \leq$				$\geq$	11.1	
			9.2	24.7	34.4	18.7	3.8	1.0						100.0	7.8
(											<del>*</del>		<del>-</del>	1.4 3. 1	
											TOTAL NUM	ABER OF CIBE	ERVATIONS		2130
Ł															
(															
-															
4.			USAFETA	C FORM	8-5 (OL-1)	PREVIOUS EDIT	IONS OF THIS	FORM ARE OBS	OLETE						
C				A4 44	•										
~ <del>~~~</del>	<del></del>								<del></del>	<del></del>					
	[														ļ

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C DATA PROCESSING BRANCH SURFACE WINDS ETAC/USAT AIR WEATHER SERVICE/HAC 5 PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) WWW.JALFIN MARSHALL IS/BUICHIN 2 SEP 40604 0000-0500 ALL WEATHER MEAN WIND SPEED SPEED (KNTS) DIR. 1 - 3 41 - 47 ≥54 17 - 21 Н 7.6 4.5 1.0 NNE 1.6 12.0 1.6 NE ENE 6.1 3.6 2.2 6.5 3.1 ESE SE SSE 3 SSW sw WSW WNW 5.1 HNW VARBL 8.5 100.0 7,7 TOTAL NUMBER OF OBSERVATIONS 2128

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE GESOLETF

DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

KWAJALEIN MARSHALL IS/BUCHILZ 40604 44-72

SPEED (KNTS) DIR,	1 - 3	4.6	7 • 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
н	2	1.3	.9	•3	.0							2.8	7,
NNE	9	2.0	2.0	ۇم								3.6	6,
No	. 9	4,0	4.0	1.5	. 3	•0						11.0	7,
SNE	1.1	3,9	5.7	5.2	1.2	.3						17.4	9,
ŧ	1.0	4,1	5,9	5.4	. 8	.1						17.3	9,
ESE	. 7	2,0	3.4	2.7	٠b	• 1						9.4	Ģ
SE	. 5	1.7	1.9	ç	•	.0						5.6	8
SSE	. 3	1.1	2.0	1.5		.0						5.1	9
\$	.6	1.3			. 3		_					4.6	8
SSW	. 4	, ñ	1.3	.3								2.6	7
SW	. 5	,7	ä	Á	0	. 1	.0	.0				2.7	đ
WSW	. 5	,3	.6	.3	.0							1.7	7
w	. 7	1.0	.3	.7	.1			.0				2.4	6
WNW	. 4	. 5	.7	. 1								1.7	6.
NW	. 3	, 4	.4	. 2			_					1.3	6
NNW	.3	. 4	.2	. 1								1.0	5
VARBL													
CALM	X	$\geq$	> <	$\geq <$	$\geq$	$>\!\!<$	$\geq$	$\geq$	$\geq <$	$\geq \leq$	$\times$	7.9	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	9.3	25.3		20.9	4.1	.7	.0					100.0	7

TOTAL NUMBER OF OBSERVATIONS 2126

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**5** 

DATA PROCESSING BRANCH ETAC/USAF AIR MEATHER SERVICE/MAC C SURFACE WINDS **5** PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) KWAJALEIN MARSHALL IS/BUCHOLZ 40604 44-72 ALL WEATHER

SPEED (KNTS) DIR,	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	%	MEAN WIND SPEED
N	, 6	• 14	.8									2.4	
NNE	.6	فوا		.7	.0	•0						5.0	7,5
NE	. 8	2,7		1.6								9.3	8.2
ENE	.9	2.5	7.0	4.7	.4	•2	•0					16.3	9,8
t	8.	4.3		6.5	1.3	.2						19.1	10.0
ESE	, 5	2.3		2.7	. 2							10.1	6.9
SE	1,0	2.0	2.0	1.8	. 3							7.3	8,9
SSE	, 7	1.5		1.6	.2	Ŷ				ł		7.0	
\$	,7		2.5	1.2	. 2	.0	•0			L		6.4	8.2
SSW	. 3		.9	. 3	. 1							2.6	7,3
SW	.3	.7	. 9	. 2	. 1	•2						2.4	8.6
WSW	, 1	. 14	. 4	• 4	.0							1.4	8.1
w	. 4	, Co	. 6		. 1	• 1						1.9	7.6
WNW	. 3	.7										1.8	6.6
NW	, 3		. 3	0								1.0	6.1
NNW	. 5	.7	. 1	.3								1.6	5.9
VARBL													
CALM	$\geq \leq$	$\times$	$\times$	$\geq \leq$	$\times$	$\times$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\mathbb{X}$	4.3	
	8,6	24.0	35,4	22.0	4,2	, δ	• 1					100.0	8,4

TOTAL NUMBER OF OBSERVATIONS

2129

0900-1100 HOURS (LE.T.)

USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE CASCLETE

	DATA PRE ETAC/US/ AIR WEAT	\F			P		ECTION	AND SE				SUR	FACE	WIN	<b>NDS</b>
r	40604 STATION	KWAJ	IALEIH F	IARSHAI STATION	LL IS/	RUCHDL)			<b>-7</b> 2		YEARS				ONTH
!							ALL W	ATHER		<u> </u>		_		HOURS	)=1400 (()
ł			_				CON	PITION							
	ı	SPEED								····	I			· · · · · · · · · · · · · · · · · · ·	MEAN
		(KNTS) DIR.	1.3	4 · 6	7 - 10	11 - 16	17 - 21	22 • 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	WIND SPEED
		N N		H.	. 8									2.4	6.8
	ł	NNE	7	1.4	1.2	1.5					<del> </del>			10.0	7.1
	İ	ENE	. 5	1.0	5,6	5.7	.6	-1	-1					14.0	10,3
			. 8	3.1	8.6		. 8	-1						20.2	9,8
		ESE SE	1.1	$\frac{2.3}{2.7}$	3.7		.2	•0			<b></b>			9.6	7,9
		SSE	1 7	2.2	2.4	1.1	, 4	• 1						7.0	8.3
		\$	ô	1.8	2.3	1.2	. 2	.0						6.1	8.0
		SSW	.5	1.0	1,4	.7 .5	,3	•3						4,3 3,0	9,1 7,7
	ŀ	SW N/SW	. 2	.7	.6		.1	1						1.7	7.3
		W	. 2	٥,	. 3		-1							1.4	6,9
		WHW	.3	.7	.4	-1	0							1.5	6,3
	ŀ	NW Nn.V	.3	7	.5						<u> </u>			1.6	6.2
		VARBL				•								***	4,0
		CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\bowtie$	$\ge$	$\mathbb{X}$	$\geq$	$\geq \leq$	$\geq$	$\times$	2.7	
	į		8.0	25.0	37.2	22.6	3,6	. 8	1		<u> </u>			100.0	8,5
											TOTAL NU	ABER OF OBS	ERVATIONS		2129
			USAFETA	C FORM O	-8-5 (OL-1)	PREVIOUS EDIT	ONS OF THIS	FORM ARE OBS	OLEAE						

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-1

\$ DATA PRICESSING BRANCH SURFACE WINDS ETAC/USAF 5 AIR WEATHER SERVICE/HAC PERCENTAGE FREQUENCY OF WIND ŧ. DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) E. KNAJALFIN HARSHALL IS/BLICHILZ 4(36()4 STATION 44-72 SEP ALL WEATHER 1500-1700 Œ. HOURS (L.S.Y.) COMPLETION 1 C SPEED (KNTS) DIR. MEAN WIND SPEED 1 - 3 11 - 16 17 - 21 22 - 27 41 - 47 ≥56 % C N 1.2 1.3 3.1 6 . B 4 4.4 9.5 15.5 6.7 HHE 2.0 1.3 0. 3.4 7.1 £. NE 1,6 3,3 .() . 6 9 9.6 ENE 4.5 7.6 3.1 6.0 18.4 9.8 ŧ .0 •0 .5 8.9 3.9 C ESE 2.4 2.8 •1 9.7 SE 7.8 8.0 1.0 2.6 2,5 2,2 2,3 SSE . () 2.3 1.1 8.0 8.3 \$ .0 2.0 Ĺ SSW 1.1 1.4 8.9 . 8 .0 3.2 1.1 sw C WSW . 8 40 1.7 6.9 w 1.2 6.6 WNW .9 6.6 £ NW 1.6 NNW . A 1.6 6.6 VARBL 3.3 CALM 27.2 100.0 8.2 TOTAL NUMBER OF OBSERVATIONS 2128

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1 5 1	ETACIUS AIR WEA	AF	IG BRANC Frvice/i		P		ECTION	QUENCY AND SF OBSER\	PEED			SUR	RFACE	WIN	1DS
Č	40404 STATION	KWA	IALEIN I	1ARSHAI	LL IS/	AUCHUL:	<u> </u>	44.	-72		EARS			<u></u>	EP
	• inion		_					EATHER						1800	(L.S.T.)
			_				CON	DITION							
		SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 · 55	≥56	*	MEAN WIND SPEED
		N N	.5	1.3	.9	2								2,5	6.3
		NNE NE	. 5 8	1.9 3.6	1.0	2.0		-0						4.8	7,9
		ENE	1,5	3.8	7.6	4.0 5.6	8,	-1						19.5	9,2
		ESE SE	1.1	2.6	3,4 2,6	2.2 1.4	.2	•1 •0						9.6	8,1
		\$5E \$ \$SW	.6 .5	1.5 1.2	1.6	,0 ,7	.0 .2							5,0 4,5 3,3	8,5 7,7 8,6
		SW WSW W	5	,9 ,5	.5 .4	.3 .3	.1	.1	.0	•0				2.5 1.6	9.0 6.5 8.2
		WHW NW	.3 .4	•7 •£i	•1 •4	, <u>2</u> ,2	•0							1.7	5.7 6.4 6.3
		VARBL	• •	_ <u>"</u>										6.2	4 6 3
		4.6.1	9.6	<b>26.0</b>	33.7	19.9	3.0	<u></u>	0	<u> </u>				100.0	7.8
											TOTAL NUA	ABER OF OBS	SERVATIONS		2126

USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

6 5 6	DATA PRO ETAC/USA AIR WEAT	F				DI	AGE FREG RECTION HOURLY	AND SE	EED			SUR	RFACE	WIN	IDS
c c	40604 STATION	<u>rhaj</u>	ALFIN M	ARSHAL STATION	LL IS/E	DUCHILL	ALL WE	44.	72		76.245		<del></del>		EP 
C							CONI	DITION							
C C		SPEED (KNTS) DIR.	1.3	4-4	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	49 - 55	≥54	*	MEAN WIND SPEED
ξ.		N NNE NE ENE	,6 ,7 1,2	2.1 3.5 4.8	1.1 1.6 5.1 7.1	.2 .4 .8 4.4	.0 .5	1						2.8 4.6 12.2 18.7	6.4 6.4 8.1 9.3
C		E ESE SE SSE	1,4 ,8 ,7	3.7 2.8 2.3 1.3	6.3 3.5 1.9	5.3 2.1 1.3	1.1 .4 .0	.0						17.9 9.5 6.2 4.9	7.6 8.4 7.6 8.3
(		S SSW SW	.4 .5 .2	1,1	1.0 1.0	.6 .7 .3	.1 .3 .1	.0						3.8 3.1 2.1 1.3	7.9 9.2 8.6 7.5
(. E	-	W2W W WHW WW	.5 .3	, 5 , 5 , 3	1,0 2 .6	.0	,1							2.2	7.0 6.2 5.9
£	- - -	VARBL CALM	••				$\times$	$\leq$	$\leq$	$\geq$	$\times$	$\times$		7.5	5,4
1	ι	<u></u>	9.5	25.5	34.0	16.7	4.3	5			TOTAL NUM	MER OF ORS		100.0	7,8
1															
•			USAFETA	C FORM O	-8-5 (Ot-1) :	PREVIOUS EDIT	IONS OF THIS F	ORM ARE OBSI	X.ETE		ı				

The same

DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/HAC

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604 STATION	KWAJALEIN MARSHALL IS/BUCHTILZ	44=72 YEARS	UCT HORTH
	ALL	HEA'THER	0000=0200
		ORDITION	

SPEED (KNTS) DIR,	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	×	MEAN WIND SPEED
N	.6	1.3	.7	• 7								1.3	5.7
NNE	. 5	1.7	2.6		. 2					l		5.7	7.8
NE	. 8	3.1	4.9	3.2	.5	. 3						15.0	9.3
ENE	1.0	4.1	7.5	4.0	. 8	• 4						17.7	9.2
ę	1.0	3,7	à.3	5,6	. 9	•2						17.8	9.5
ESE	1.0	2.0			. 4	•1	•0					8.9	8.8
SE	, U	1.8	2,3	1.7	. 2							6.8	8.4
SSE	. 3	1.2		• 9	• 1				ļ			4.1	8.5
\$	, 5	1,3		1.1	, 1	.1			<u> </u>			4.7	8.7
SSW	. 5	. 8		. 5	. 1				<u> </u>			3.1	7.4
\$W_	. 2	, 9			.1	.0				ļ		2.7	8.2
WSW	. 5	,7	, 5	. 2	.0	.0			<u> </u>	<u> </u>		2.0	6.7
w	,7	.7	. 5	,6					<u> </u>			2.6	6.7
WNW	. 2	. 2							ļ			•6	5.1
NW	. 2	,3	5.	1								. 1)	6.1
NNW	. 1	. 5	. 2	. 1					<u> </u>			• 9	6.8
VARBL								Ļ	ļ	ļ			
CALM	><	$\times$	> <	$>\!\!<$	><	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	5.7	
	9.0		34.8		3,5	1.2	.0					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 2198

USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

€. DATA PROCESSING BRANCH SURFACE WINDS ETAC/USAF 5. AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 40604 KNAJALEIN MARSHALL IS/BUCHILZ 44-72 0300=0500 HOURS (L.S.T.) ALL WEATHER SPEED (KNTS) DIR. MEAN WIND SPEED 1 - 3 17 - 21 4 . 6 7 - 10 11 - 16 22 - 27 ≥56 5,6 N 7.7 1.H 3.5 12.2 8,7 NE 6.9 i. 0 ENE 18.8 9.0 10,1 2,4 6.1 5,1 1.1 16.2 E ESE 8.6 8.1 6,5 SE 1.2 SSE 1.6 8,7 8,7 \$ H 1.5 1.8 SSW .6 8.4 7.1 7.5 1.0 SW . 3 1.0 6 •6 WSW W . 5 .0 4.9 5.1 WHW .0 NW . 5 .0 7.2 NNW VARBL 6.3 100.0 3,1 TOTAL NUMBER OF OBSERVATIONS 2198 USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

G

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604	KMA,	IALFIN P	HAR SHAL	L 15/	виснаг	2.	44	-72		rears				ICT
•		-					EATHER	<del></del>			<del></del>		060	0-0800
		-				CON	DITION		·····					
	SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 · 47	4 <b>2</b> · 55	≥56	*	MEAN WIND SPEED
	N	.6	1.2	.7	. 2	•0	• 0						2.7	6.4
	NNF	.6	1.9	2.0	. 5	•0	^1						5.3	7.3
	NE	1.0	3,4	5,1	2,9	.6	3						13.2	8.9

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	42 - 55	≥56	%	MEAN WIND SPEED
N	,6	1.2	.7	• 2	.0	•0						2.7	6.4
NNF	. 6	1.9	2.0	. 5		_ ^1						5.3	7.3
NE	1.0	3,4		2.9	.6	. 3						13.2	8.9
ENE	.7	3.3	7.9		1.1	• 2						10.5	
	. 0	3.0	6,4	5,2	1.4	- 1	.0					16.9	
ESE	, 4	2.2	4.1	2,7	. 3		.0					9.9	9.3
SE	. 8		3,1	1.3	• 2	• 1						7.7	8.1
358	7	1.5	2.1	1.0	.3	0				1		5.0	8.2
5	.6	1.3	2.1	. 5		.0						4.7	7.4
SSW	.6	. 8	1.3	. 5	•0	. 1						3.4	7,8
sw	.3	. ii		ق.	• 1	• i						2.7	8.7
WSW	, 3	. 5	. 5	• 4								1,6	7.6
w	. 4	0.0	. 7	.2	. 2							2.1	7.3
W.HM	. 2	. 4	. 1	1.	. 1							•9	7.6
NW	. 1	• 4	.0									. 5	3.1
NNW	.2	. 4	. 3	. 1								1.0	6.4
VARBL													
CALM	$\times$	$\geq \leq$	$\geq \leq$	$\times$	$\times$	$\geq$	X	$\geq <$	$\geq$	$\times$	><	5.0	
	8,3	23.8	37.5	19.5	4,6	1.2	. 1					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 2198

USAFETAC  $\frac{\text{FORM}}{\text{AR-}64}$  0-8-5 (OL-1) previous editions of this form are obsolete

ETAC/US/ AIR WEA		RV1CE/	1ĄC		ERCENTA DIR (FROM 1	ECTION	AND SP	PEED			SUK	FACE	AAIT	4 D 3
40604	KWA.	IALEIN I	MARSHAL	L 15/	HUCHOL)	<u>.                                    </u>	44	-72		(EARS				)CT
HOITATE			STATION	MANE		ALL W	BATHER		<b>,</b>	ZANS				047# 0 ≈ 1100 (6.8.T.)
						CL	A\$8						MOURS	(L.S.T.)
		_				CON	DITION				<del></del>			
											-			
:	SPEED (KNTS) DIR.	1 - 3	4-6	7 • 10	11 - 16	17 - 21	22 • 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
	N	.3	1.1	. 5	.3	- 1							2,3	6.9
	NNE	-4	1.4	2.2		- 0							5.0	7.4
	NE ENE	.3	3.0	7.4	3.0	.7	- 1	•0					12.1	9.5
	EIVE	2 2	3.5	7.8	6.6	1.0	- :1	.0	· <del>-</del> · · · · · · · · · · · · · · · · · · ·				19.6	10.0
	ESE	.7	3.1	4.2	3.5	. 3	- 0	.0	<del></del>				11.9	8.9
	3E	.6	2.0	3.8	1.5	. 4							8.4	8.5
	SSE	.9	2.0	1.0	1.0	. 2	0.0		.0				5,3	7,9
	\$	. 5	1.3	1.9		• 2		•0					4.9	8.8
	S5W_	.2	•6	1.0	4	<u>E.</u>		.0					2.7	9,4 8,3
	sw wsw	. 2	1.0	.9	-3 -5	.0	0.0						2.0	7.8
	W W	2	5	.7	- 4	.0	•••						1.9	8.2
	WNW	.1	.5	. 3	.1								1.0	6.4 7.9
	NW	. 1	.2	. 2	. 1								.6	7,9
	NNW	. 3	3	3	1								1.0	6.2
	VARBL								$\overline{}$				3.9	
	CALM												3.7	
		6.2	22.9	37.5	24.2	4.3	. 8	. 2	.0				100.0	8.8
·									·	TOTAL NULL		ERVATIONS		
										IOIAL NOA	ABER OF OBS			2198

USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

C DATA PROCESSING BRANCH SURFACE WINDS ETAC/USAF 5 AIR WEATHER SERVICE/HAC PERCENTAGE FREQUENCY OF WIND C DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) C KWAJALFIN MARSHALL IS/BUCHOLZ
STATION HAME 40604 ALL HEATHER 1200-1400 C HOURS (L.S.Y.) CONDITION MEAN WIND SPEED 1 - 3 7 - 10 22 - 27 ≥54 (KNTS) DIR. L 5.0 2.7 N 1.0 8.1 5.2 4.6 NNE 1.1 1.0 2.5 3.0 NE 11.2 7.1 14.6 10.3 4.0 ENE 9.0 3.0 20.3 3.6 1.1 9.9 • 2 3.1 9.1 8.8 • 0 11.2 ESE C Ų SE 1.7 6.1 8.5 SSE 2.1 1.4 1.0 8.6 .5 1.5 5 1.7 0 4.1 SSW •1 9.5 3.3 .3 SW 1.0 8.7 .0 1.9 WSW 8.2 W WNW 6.0 1.7 6.2 NW 5.6 NNW 1.7 VARBL 1.7 CALM 100.0 8.9

TOTAL NUMBER OF OBSERVATION &

2197

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE COSOLETE

€ DATA PROCESSING BRANCH ETAC/USAF SURFACE WINDS 5 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 40604 KWAJALEIN MARSHALL IS/BUCHILZ 44-72 OCT ALL WEATHER 1500-1700 HOURS (L S.T.) ( SPEED (KNTS) DIR. MEAN WIND SPEED 7 - 10 11 - 16 17 - 21 22 - 27 28 - 33 34 - 40 41 - 47 48 - 55 ≥54 ĸ 1.0 2.6 6.8 NNE 1.4 1.7 7.7 .6 5.4 NE 2.2 12,3 8.8 7.0 ENE 3,9 2.7 1.3 10.0 16,5 8,8 9.1 ŧ 10.2 . 6 9 ESE 2.7 4,5 2.3 SE 1.0 2.4 2.2 7,4 8.0 اق 33E قعبا 1.2 1.5 9.7 5,1 1.0 \$ .3 1.1 1.2 SSW 1.1 9.3 SW 1.2 1.3 4.0 WSW 1.5 8.6 .0 w .4 8 WNW 6.5 1.3 • H NW 7.0 1.5 NNW 6.6 VARBL CALM 2.3 8.6 100.0 TOTAL NUMBER OF OBSERVATIONS 2197 USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE \$

C DATA PRUCESSING BRANCH SURFACE WINDS FTAC/USAF 5 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND Ū DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 40604 STATION KHAJALEIN HARSHALL IS/BUCHULZ 44-72 ALL WEATHER 1800-2000 SPEED (KNTS) DIR. MEAN WIND SPEED 1 - 3 7 - 10 17 - 21 11 - 16 22 - 27 28 - 33 41 - 47 ≥56 % 48 - 55 6.7 К 2.5 7.2 8.5 2,4 4,9 8,3 5.6 NHE 1.9 1.0 NE 3,0 ENE •0 4.0 .0 19.0 7,7 3.8 4.0 10.3 9.3 1.0 ESE 2.0 8.6 0.0 8,6 SE 2,2 1.1 9.6 1.5 24 3.6 8.8 SSE 1.0 . 3 •0 1.1 .8 \$ 8.8 SSW 8.6 1.5 SW WSW .6 7.0 WNW 7.5 6.0 NW .0 NNW VARBL CALM 100.0 8.3 TOTAL NUMBER OF OBSERVATIONS 2197 USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

5.

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604 KWAJALEIN HARSHALL IS/BUCHOLZ 44-72

STATION

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SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	. 5	1.7	.7	Ů								2.5	5,6
NNE	. 5	2.1	2.0	1.0	•0							5.6	7.6
NE	. 7	3.1	5.6	3.0	. 4	- 2	•0					12.9	9.0
ENE	1.1	3.3	8.7	5.1	.7	. 4						19.2	9.5
	1.2	3,5	6.7	4.7	1.4	. 1						17.6	9.6
325	. 5	1.9	3,8	2.7	, 3	.0	.0	.1				9.4	9,6
SE	. 8	1.8	2.4	1.5		0						6.6	8.2
SSE	.6	8.	1.4	. 7	-2	1						3.9	9.1
5	.5	В	1.5	.7	2							3,6	8.5
SSW	3		1.2	1.0	.0							3,2	9.0
\$W	1	. 9	1.0	3	1							2,5	8,0
wsw	. 5		- 5	. 3	1							1.9	7.6
W	4			. 5								7,2	7,2
WNW	1	. 5		.0	0							1.0	6.6
NW	1		. 5	0								9	6.8
NNW	. 2	3	5	. 2	.0			i				1.2	7.8
VARBL													
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\times$	5.7	
Ĺ	8.1	32.4	37.3	21.6	3.8	. 49	1					100.0	9,4

TOTAL NUMBER OF OSSERVATIONS 2198

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH T SURFACE WINDS ETAC/USAF 5 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) G KWAJALEIN MARSHALL IS/BUCHULZ 0000-0200 HOURS (L.S.T.) ( £, MEAN WIND SPEED SPEED (KNTS) DIR. 1 - 3 17 - 21 22 - 27 28 - 33 41 - 47 48 - 55 ≥54 N 9.8 HHE 6.8 15.5 NE 34.6 3.6 2.8 .8 ENE Ö 7.0 . 8 21.3 2.6 252 11.0 2.3 6 1.1 9,4 10.0 SJE 0ء. \$ 8.8 آم SSW 8.7 SW WSW H . 0 5,2 .0 WNW NW <u>.n</u> WHM 8,2 VARBL CALM 10.9 100.0 TC"AL NUMBER OF OSSERVATIONS 2129 ( 1

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0 DATA PROCESSING BRANCH SURFACE WINDS ETAC/USAF AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) KWAJALFIN MARSHALL IS/BUCHULZ 44-72 0300=0500 HOUSE (L.S.T.) ALL HEATHER MEAN WIND SPEED SPEED (KNTS) DIR. 17 - 21 6.5 N NNE 2.7 3.3 2.0 3.9 3.0 5.2 7.0 .6 ENE 20.7 ESE 1.5 SE 1.0 SSE \$ SSW SW WZW ,0 WNW HNW VARBL CALM 10.7 100 ti TOTAL NUMBER OF OBSERVATIONS 2130 USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

C		riigr se	RVICE/	MAC	P	DIR	ECTION	QUENCY AND SE OBSERV	EED			SUR	FACI	IIW	NDS
£.	40604 STATION	KHAJ	ALEIN I	MARSHA	LL 15/9	ALICHOL.		44	-72		EARA .				iOV_
C	STATION		_	STATIO				ATHER		<u> </u>	EA38				0800 (L.E.T.)
C							CON	PITION							
C	ſ	SPEED				<del></del> -1			<del></del>	<u> </u>		I			MEAN
€		(KNTS) DIR.	1.3	4+6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥54	*	WIND
₹.		N NNE	. 4	- 3		<u></u>	9							,8 3,7	9.4
(	ŀ	NE BH.	.3	7.3	1.3 5.7	7.4	2.6	. 5		0		<u> </u>		18.9	12.0
L	Ī	ENE	. 3	3,2	10,9	15.5	3.6	1.1	.1					34.8	11.9
	I			7.6	7.2	7.2	2.9	1.2						21.6	11.9
(		929 52	- 2	.9	3,2					7,5	10.6				
	ŀ	35E		8	1.0					2.6	10.7				
1	t	8	. 2	.3	4	.2	2	.0						1,5	10.2
· ·	Ţ	SSW	.0	,2	. 3		- 1	.0						. 9	10.2
	[	SW	.0	• 1	- 2	1								- 5	7.6
Ĺ	ļ.	wsw	-0		-0									- 1	5.0
	ŀ	WNW	-0	- 2	1	- 0	0							.4	8.0
.5	ŀ	NW		.0	.2									. 2	8.6
£	ľ	NHW	.1	, 3	.0	.0								. 5	5.2
		VARBL													
ŧ	j	CALM	><	><	><	><	$>\!\!<$	><	><	><	$>\!\!<$	><	><	2.2	1
	Ì		2 6	13.0	31.6	36.2	11.1	3.1	,	•0				100.0	11.2
4	ŧ.		- Faid			30.2	لقد هند	- 74.51				······································		10010	****
•											TOTAL NU	ABER OF OBS	ERVATIONS		2130
1															
•			USAFETA	C AR 64 0	-8-5 (OL-1) i	PREVIOUS EDITI	ONS OF THIS E	ORIA ARE OBS	X616						n nomen, singrima, build

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DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

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## SURFACE WINDS

# PERCHNTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604 STATION	KWAJALEIN HARSHALL IS/BLICHTLZ	44×72	мпу
V.4.1.44			MONTH
	ALL WE	FATHER	0900-1100
	Cu	198	HOURS (L.S.T.)

SPEED (KNTS) DIR,	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 • 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	, 2	8.	.3	•2	• 0							1.5	6.
NNE	- 1	٠,٧	1.1	1.0								3.4	9
NE	. 1	1.0	4.7	7.0	2.4	. 5						10.4	12
ENE	.2	2.1)	4.6	17.7	3.9	₽.	• 1					34.3	12
ŧ T	,3	1.7	7.5	9.4	2.6	.9	.1	0.0				22.7	12
ESE	.2	1.1	3.9	3.0	.7	• 2	.0					9.8	10
SE	. 1	•6	1.8	1.2	. 2	• 1	. 1					4.1	10
35E	. 2	, 6	.7	. 23	. 3							2.5	10
\$	. 2	• 1	. 5	.3	. 3	. CX						1.6	10
SSW		• 1	.2	.2	. 1	•0				]		.7	12
sw	. 1	• 1	.1	.1		.0						.0	8
wsw	, 1	, l	.0									. 7	4
w	. 1	•0	. 1	. 1								. 4	
WNW		.0	. 2							<del> </del>		. 2	8
NW	. 1		. 1	į.						·		-2	3
NNW	. 2	. 1	.0	.0						<u> </u>		- 4	4
VARBL									-	<del>                                     </del>			
CALM	>>	$\times$	><	$\times$	> <	$\times$	$\times$	$\times$	> <	$\times$	><	1.1	
	2.3	10.0	30.9	41.7	10.9	2.8	. 4					100.0	11

TOTAL NUMBER OF OBSERVATIONS

2129

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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\$ 5 \$	DATA PR ETAC/US A[R WEA	AF			Р	DII	AGE FREG RECTION HOURLY	AND S	PEED			SUR	FACE	: WIN	1D\$
E	40604 STATION	KWA.	IALEIN I	HARSHAI	LL IS/	•									NCIV_
E	STATION			STATION	JAN I			CATHER			EARS				0-1400 (L.F.T.)
Z			_		· · · · · · · · · · · · · · · · · · ·		CON	DITION							
t			_												
T.		SPEED (KNTS) DIR.	1.3	4.6	7 - 10	11 - 16	17 - 21	27 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥5∻	*	MEAN SPEED
£		N NNE NE	.0	2 1.0 1.8		7.2	.0 .3	. 4	0					4.0 15.9	9,7
(		ENE E	3	2.1 2.3	8,7 7,3 4,3	10.2	2.5	•7 •7		0				32,7 23,4 10,4	11.9
		\$8 \$\$8 \$	0 3	, 5 , 8	2.2 1.1	1.4	. 5	.0						7.0 2.7	10,7
Ĺ		SSW SW	10		.2	.0	,0							6	9.8
C		WSW W WNW	.0	,0 ,0	.0									. 1 . 2	9.8 7.5 6.6
£		NW NN/V VARBL	.0	.7	0									. 4	6,7
£		CALM	$\times$	11.4	31.4	$\times$	× 4	2.6	$\geq$	$\geq$	$\times$	$\times$	$\bowtie$	.6	11.5
1			1.9		21.4	41.4	10.4		<i>&amp;</i>		TOTAL NU	MBER OF OBS	ERVATIONS	100.0	2130
1															
8															
_			USAFETA	AC FORM C	)-8-5 (OL-1)	PREVIOUS EDIT	TIONS OF THIS	FORM ARE OBS	OLETE						

C LATA PRUCESSING BRANCH SURFACE WINDS ETAC/USAF 5 AIR WEATHER SERVICE/MAG PERCENTAGE FREQUENCY OF WIND ſ. DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 40604 STATION KUAJALFIN MARSHALL (S/BUCHDL7 ALL WEATHER 1500-1700 € C SPEED (KNTS) DIR. MEAN WIND SPEED 7 - 10 9.5 N 9.7 1.1 5.0 2.0 MNE 19.1 12.0 NE 1.3 6,2 31.1 9.8 14.8 3.1 12.1 11.6 23.2 ŧ ESE 9.4 10.8 7.6 10.0 5.4 SSE \$ 1.9 9.6 8.0 7.3 SSW SW WSW W WWW NW WMM VARBL 1.4 CALM 100.0 11.2 TOTAL NUMBER OF OBSERVATIONS 2130 USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PRUCESSING BRANCH SURFACE WINDS ETAC/USAF AIR WEATHER SERVICE/NAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) KWAJALETH MARSHALL IS/BUCHILZ 44~72 ALL WEATHER SPEED (KNTS) DIR. MEAN WIND SPEED 1.3 7 . 10 17 - 21 NNE 10.1 NE 5.0 ENE 16.7 8.0 ESE SE 9. 8.A SSE 35W WSW MNW NW NNW VARBL CALM 100.0 TOTAL NUMBER OF OBSERVATIONS 2129 USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

UATA PRICESSING BRANCH ETAC/USAF t, SURFACE WINDS 5 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND E DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) KWAJALEIN MARSHALL IS/BLICHILZ 40604 2100-2300 HOURS (LE.Y.) I ALL WEATHER t SPEED (KNTS) DIR. MEAN WIND SPEED 7 - 19 11 - 16 17 - 21 Ľ 8.0 1.2 5.2 9,5 11.9 12.0 11.9 10.1 314 Ĺ 5.8 16.0 38.0 ENE 11,3 ŧ 3,0 ESE SE 9.3 SSE 10.9 1.0 10.4 \$ 0, SSW SW

TOTAL NUMBER OF OBSERVATIONS 2130

100.0

8.

6.8

11,2

USAFETAC FORM 0-8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

WSW

WNW

NV/ NEW VARBL CALM

DATA PRICESSING BRANCH SURFACE WINDS ETAC/USAF AIR WEATHER SERVICE/HAC PERCENTAGE FREQUENCY OF WIND ( DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) KWAJALFIN MARSHALL IS/BUCHFILZ 44-72 0000-0200 HOURS (L.S.T.) ALL WEATHER ( MEAN WIND SPEED SPEED (KNTS) 8.8 N 4.5 HHE 10,0 ENE 25,6 20.5 16.4 3.7 ESE .0 .0 SE SSE \$ SW WSW WNW 8.6 NNW .0 8.0 ,Ω CALM 23.1 100.0 14,4 **1** TOTAL NUMBER OF OBSERVATIONS 2200 USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH **(**.) SURFACE WINDS ETAC/USAF AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND 1 DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) () 40604 KWAJALFIN MARSHALL IS/BUCHTILZ 44-72 0300-0500 HOUSE (L.E.Y.) U 0 C MEAN WIND SPEED SPEED (KNTS) DIR. 1 - 3 7 - 10 17 - 21 22 - 27 48 - 55 ≥56 () • 0 8.4 NNE 11.0 1.6 22.8 NE 7.2 6.9 3.0 ENE 12.9 3,6 0 ŧ ESE .0 1.0 SE SSE 5 SW wsw w WHW 7.0 NW 12.0 NNW VARAL 100.0 14.4 TOTAL NUMBER OF OBSERVATIONS 2201 £.

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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t DATA PROCESSING BRANCH SURFACE WINDS ETAC/USAF 5 AIR WEATHER SERVICE/HAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) KWAJALEIN MARSHALL IS/BUCHOLZ 40604 0600-0800 t. HOURS (L.S.T.) £ SPEED (KNTS) DIR. MEAN WIND SPEED 17 - 21 ≥54 % 1.3 4 . 6 7 - 10 11 - 16 22 - 27 28 - 33 34 - 40 41 - 47 48 - 55 8.5 N .0 12.6 15.2 15.0 6.3 12.3 2.4 3.0 1.2 11.5 25.3 7.4 HNE .0 1.0 24.6 47.3 3M , 2 C. 6.1 ENE .1 14.7 3.0 5.5 .6 1.0 .0 17.6 12.7 ESE .4 1.0 .6 ( .2 14.8 .11 SE 1.2 SSE 0 15.0 \$ ( SSW SW Ò 8.0 WSW .0 W .0 7.5 WNW 9.0 NW 6.7 NNW .0 VARBL . 5 CALM 100.0 14.7 TOTAL NUMBER OF OBSERVATIONS 2201 USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

•	ETAÇ/US AIR WEA	۸F	G BRANC		P		ECTION	AND SE				SUR	RFACE	WII	NDS
	40604 STATION	KWA	ALFIN !	ARSHAL	L 15/	BUCHNL	<u>.                                    </u>	44.	-72		EARS				)EC
	3.21.00		_					ATHER							)=1100
			_				CON	DITION							
		SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 • 55	≥56	*	MEAN WIND SPEED
		N	.0		1.1	2.0	•// /5	.2						4.0	9,1
		NE ENE	1	.5	3.0	10.5	7.0	2,3	.4	.0				23.9	15.6
		E	.1	,3 	2,9		5,0	1,4	-,1	,0				17.5	15.0
		ESE SE	•0	,2	<u>8.</u> 3.	1.9	1.0	.0	•0					1.3	13.5
		SSE S	.0	.0	4	-2		.0	- 1	.0				. a	10,4
		ssw	- 0		<u>-</u>		.0							.0	17.0
		sw wsw		0,										•0	6.0
		WWW WWW	.0	1	-0	.0								. ? . 0	12.0
		NW												.1	8.5
		NNW VARBL	0	.0	0	3	0							• 3	9.8
		CALM	$\geq \leq$	$\geq \leq$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\times$	$\times$	. 5	
			ادما	2.3	13.8	45.9	29.3	7.0	.7	1			L,L	100.0	15.1
											TOTAL NUA	ABER OF OBS	ERVATIONS		2201
			USAFETA	C FORM 0	-8-5 (OL-1)	PREVIOUS EDITI	ONS OF THIS F	ORM ARE 0850	XETE						
				***************************************						eller english beam				~ <del>-i</del> ~	

DATA PRUCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

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## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604	KWAJALEIN MARSHALL IS/BUCHULZ	44-72	OEC
STATION	STATION NAME	YEARS	RTHOM
		HEATHER	_1200-1400
		CLASS	HOURS (L.S.Y.)
	· ·		
	CO	NOTION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.0	, 7.	. 3	1	•0	.0						.8	9.4
NNE	.0	.7.	,7	1.0	.6	•1	•0					3.6	13.
NE	.0	, 5	3.9	11.7	6.0	1.7	. 5					24.4	14.
ENE	.0	• 4	5.1	23.5	12.7	3.5	.0					45.3	15.
ŧ	.0	.2	3.1	9.U		1.5	.2					19.9	15.
ESE	0	,2	.9	1.5	5	• ()						3.1	12.
SE	.0	.0	, 4	. 4								.9	11.
SSE	, 1	• 1		. 3	.0					1		.6	10.
\$			• 1	.0	.0	1						.3	16.
SSW			,0	. 1	• C				i ———			• 3	
sw													
WSW													
W		• 1										. 2	4.
WNW		, U	.0									.1	8.
NW		•0		. 1								.1	11.
WWW	.0	.0	.0	.1	.0							3	9.
VARBL													<u>_</u>
CALM	$\geq <$	$\geq \leq$	$\geq \leq$	X	$\geq \leq$	$\geq \leq$	$\geq \leq$	> <	$\geq$	$\geq$	$\times$	. 3	
	.6	2.1	14.7	48.8	25.9	7.0	, 7					100.0	14.

TOTAL NUMBER OF OBSERVATIONS 2201

USAFETAC FORM 0-8-5 (CL-1) previous editions of this form are obsolete

DATA PROCESSING BRANCH ETAC/USAF ľ. SURFACE WINDS **5**. AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) KWAJALFIN MARSHALL IS/BUCHELZ ALL WEATHER 1500-1700 SPEED (KNTS) DIR. MEAN WIND SPEED 41 - 47 17 - 21 22 - 27 28 - 33 ≥56 N NNE 12.0 25.1 45.5 5.9 14.6 NE 4.4 12.3 ENE 23.4 18.0 8.5 E 1.0 SE 358 5 SSW SW WSW 6.0 WNW 5.5 NW 12.4 NNW VARBL CALM 14,5 100.0 TOTAL NUMBER OF OBSERVATIONS 2200

USAFETAC  $_{\mathrm{JAL~64}}^{\mathrm{FORM}}$  0.8-5 (OL-1) previous editions of this form are obsolete

DATA PRUCESSING BRANCH FTAC/USAF AIR WEATHER SERVICE/MAC

C

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604 STATION	KWAJALFIN MARSHALL IS/BUCHTLZ	44.072 YEARS	UEC
		EATHER	1800=2000 HOURS (L.S.T.)
		451TION	

SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	0.0	.1	9.4	• 3	.1							• 9	10.
NNE		. 4	1.4	1.6	,2	• 1						3,7	11.
NE	. 1	,7	4,0	11.3	5,6		, 4					23.6	14.
ENE	, C	1.0	6,5	24.5	13,5	3.7	1					49.4	13.0
E	2	. >	2,0	6.5		1.0						15.2	15.0
ESE		•2			.5	.1						3.6	13.
SE		, O	, 5		.2							1.0	12.
SSE		• 1	, 5		.0				<u></u>			. 9	10.0
		.0			. 1					L		3	13.
SSW	.0									L		. 1	11.
SW													
WSW		• }	.0	, V								. 2	7,
W									<u> </u>				
WNW						<u> </u>						1	4.
NW	- 2			0		<u> </u>		L				- 4	8.
NNW	.0	.0		1				<u></u>				. 3	В,
VARBL	L												
CALM	$\geq \leq$	$\geq \leq$	$>\!\!<$	><	$\geq \leq$	$\geq \leq$	$\geq \!$	$\geq \leq$	$\geq \leq$	$\geq \leq$		• 4	
	.6	3.3	16.4	47.0	25.0	6,5						100.0	14.

TOTAL NUMBER OF OBSERVATIONS 2200

USAFETAC FORM 0-8-5 (O!-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH C ETAC/USAF SURFACE WINDS 5 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND C DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 40604 KWAJALFIN MARSHALL IS/BUCHILZ 44-72 ALL WEATHER 2100-2300 SPEED (KNTS) DIR. MEAN WIND SPEED 1.3 4 - 6 7 . .0 11 - 16 17 - 21 22 - 27 28 - 33 34 - 40 41 - 47 48 - 55 ≥54 9.2 N NNE 11.5 14.5 15.2 14.9 10.7 4.9 23.0 49.8 ENE 4.6 ESE SE SSE \$ SSW SW WSW W 4. WNW 9.3 NW 10.2 NNW . 2 CALM 14.6 100.0 TOTAL NUMBER OF OBSERVATIONS 2200

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0

DATA PROCESSING BRANCH FTAC/USAF AIR WEATHER SERVICE/MAC

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

KWAJALEIN HARSHALL IS/BUCHTILZ CIG 200 TO 1400 FT H/ VSBY 1/2 HI DR HORE, AND/HR VSBY 1/2 TO 2-1/2 HI W/CIG 200 FT DR HORF

SPEED (KNTS) DIR.	1 - 3	4.4	7 • 10	11 - 16	17 - 21	22 • 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
Z	. 3	,5	. 4	.3	.1	.0	•0	•0				1.0	0.
NNE	• 1	. 46	. 8	. 9	. 2	.1	.0					2.6	11.
NE	, 2	,7	2.0	3,5	2.4	1.0	. 2	.0				9.9	14.
ENE	. 3	1.0	3.6	7.4	6.7	3.4	.5	•1				23.5	13.
E	. 4	1.3	3,5	7.5	3.8	2.4	. 5	•1				21.9	13.
ESE	.2	.8	2.4	4.5	2.7	1.3	.1	•1				12.1	14.
SE	, 3	٠,6	1.5	2,3	1.3	.5	.1					6.7	13.
358	2	۶,	1.1	2.0	. 0	•2	. 1	.0				5.0	12.
5	. 1	.7	1.2	1.5	7	.3	.1	.0				4.5	12.
SSW	, 1	. 5	. 8	. 8	. 4	• 1		.0				2.7	11.
SW	1	٤,	. 6	. 5	. 3	•1	,0					2.1	11.
WSW		. 4	. 5	- 4	. 1	.0						1.5	9.
w	. 2	. 6	. 6	. 3	, 2							1.6	8.
WNW		. 3	.2	. 1	.0	.0						.7	8,
NW	0	. 3	.3	. 1	•0							.7	ð,
NHW	. 1	. 3	. 4	. 1	.1							্ণ	8.
VARBL													
CALM	$\times$	$\geq \leq$	$\times$	$\times$	$\ge$	$\times$	$\times$	$\geq \leq$	$\boxtimes$	$\times$	$\mathbb{X}$	1.6	
	2.7	9.4	19.9			9.9	1.7	.4				100.0	13,

TOTAL NUMBER OF DESERVATIONS 6784

USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EXITIONS OF THIS FORM ARE ORSOLETE

5

DATA PROCESSING DIVISION ETAC/USAF AIR WEATHER SERVICE (MAC) ASHEVILLE, NORTH CAROLINA

#### PART D

#### CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

- 1. Annual all years and all hours combined
- 2. By month all years and all hours combined
- 3. By month by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

#### EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

ALEVER STREET

CEILING							VIS	SIBILITY (S	IM STUTAT	LES)						
(FEFT)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/3	≥ 2	≥ 1%	21%	≥ 1	≥ ¾	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING	$\sim$	<u></u>			~									$\sim$		
			$\simeq$				<u> </u>	<u> </u>				$\simeq$	1	<u> </u>	$\succeq$	$\succeq$
≥ 1,00 ≥ 1500	′				91.0		<u> </u>								····	92,6
≥ 1,00 ≥ 1030						e O				•						
709 ≤						`										
≥ ,00																
≥ 500 ≥ 400							<u> </u>			97.4			•			98.1
≥ 300 ≥ 200																
≥ 100 ≥ 0					95,4		96.9			98.3						100.0

- EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq$  0. For instance, from the table: Ceiling  $\geq$  1500 feet = 92.6%. Ceiling  $\geq$  500 feet = 98.1%.
- EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table: Visibility  $\geq 3$  miles = 95.4%. Visibility  $\geq 2$  miles = 96.9%. Visibility  $\geq 1$  mile = 98.3%.
- EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq$  1500 feet with visibility  $\geq$  3 miles = 91.0%.

#### ADDITIONAL EXAMPLES

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE #5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq$  1500 feet with  $\geq$  3 miles, subtracted from 97.4 read from the table at the intersection of  $\geq$  500 feet with  $\geq$  1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq$  500 feet with visibility  $\geq$  1 mile, but < 3 miles; or ceiling  $\geq$  500 feet, but < 1500 feet with visibility  $\geq$  1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PRUCESSING RRANCH USAF ETAC AIR WEATHER SERVICE/HAC

### CEILING VERSUS VISIBILITY

40604

**1. 5** 

KWAJALFIN HARSHALL IS/BUCHILZ

44-72

MONTH -

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (CST)

CEILING							VISI	BILITY (STA	TUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥ı	≥%	≥%	2×	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	41.9	42.1	47.1	56.1	42.1	42.1 50.1	42.1	42,1 56,1	42.1 56.1	42.1 50.1	48.1	42.1 56.1	42.1	48.41 50.1	42.1 56.1	50.1
≥ 18000 ≥ 16000	50.5	50.8 58.1	58.1	56.8 58.1	56.4 58.1	50.8 50.1	58.1	58.1	56.8 58.1	58.1	58.1	50.8 58.1	56.1	50.8 38.1	56.4	58.1
≥ 14000 ≥ 12000	70.4	\$1.7 71.0	71.1	61.7	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 10000 ≥ 9000	76.6 78.2	77,6	77.6	77.7	77.7	77.7	79.3	77,7	77.7	79.3	79. 2 80. 9	77.2	79.3	79.3	7.9.3	70.3
≥ 8000 ≥ 7000	79.5 80.0	81.3	80.8 81.4 51.8	81.5	80.9 91.5	80.9 81.5	81.5	#1.5 \$1.7	01.5	81.5	81.5	81.5	81.5	51.5 51.7	81.5	81.73
≥ 5000 ≥ 5000 ≥ 4500	81.2 81.2	83.7	82.8			82.9	82.9	83.1	82.9	82.9	62.9	82.7	83.1	83.1	82.0	
≥ 4000	62.7		84.4	84.5	81	84.2	84.2	84.0	84.2	84.2	84.2	84.2	84.2	84.2	34.0	<del></del>
≥ 3000	83.0	84,8	85.0	85.0	85.1	85.1	35.1	85.1	85.1	85.1 84.0	85.1	36.0	86.0			* ' * '
≥ 2000	87.6	90,0	93.2	93.3		90.4	90.5	43.5	90.5	93.6	93.6	93.6	1	93.6		
≥ 1500	92.8		97.9	98.3	98.5	96.6	94.7	96.8	98.4	98.8	98.4	96.6		98.9	38.9	0.0
≥ 1000 ≥ 900 ≥ 800	93.0	97.7	98.4	98.5	99.2	99.2	99.4	97.5	99.4	99.5	99.6 99.6 99.7	99.6				99.7
≥ 700 ≥ 600	93.0	37.7	98.4 94.4	98.8 98.8 98.8	99.2	99.3	99.5	99.6	99.6	39.0	99.8	99.0	99.8	99.5		- X
≥ 500 ≥ 400	93.0	97.	9 <u>8.3</u>	98.7	40.3	99.3	99.6	99.6	99.7	97.8		99.4	29.9	99.9	100.0	100.0
≥ 300 ≥ 200	93.0	97.	98.4	90.9	37.3	99.3	99.6	94.6		99.6	99.9		100.0	100.0	100.0	100.0
≥ 100 ≥ 0	93.0	97.	98.4			1 .	99.6	T								100.0

TOTAL NUMBER OF OBSERVATIONS

203438

USAF ETAC MAGE 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PRUCESSING BRANCH USAF ETAG AIR HEATHER SERVICE/HAC

### CEILING VERSUS VISIBILITY

KARTETA ATSUMPT 12 VERCHOTS 42-25

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (CST)

CEILING							VIS	BILITY (STA	TUTE MIL	ES)					·····	
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥14	≥I	≥¾	≥%	≥1⁄2	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	52.0 64.8	52.7	52 - 7 54 - 5	52.7	12.7	52.7 64.9	52.7	52.7	52.7		52.7 65.9	52.7	52.7	52.7	52.7	52.7
≥ 18000 ≥ 16000	65.2	65. 3 66. 0	65 - 3	65 3	65.3 10.0	65.3		65,3	68.3	65.3	66.0	45.1	65.3	60.0	66.0	65.3
≥ 14000 ≥ 12000	67.5 73.2	13.5	67 - 6	17 - 4	67.6	67.6	67.6 77.5	73.5	٥7.6 73.5	73.5	77.5	73.5	77.6	73.5	67.4	73.5
≥ 10000 ≥ 9000	78.3	78.8	78	79 7	79.9	78 . 8 80 . 0	78.8 80.0	78.8	78.8	-	98.9	80.0	74.0 60.0	76.8 80.0	78.8 80.0	78.8 80.0
≥ 8000 ≥ 7000	80.8	80.9	31 -	11.0	81.6	81.0		81.0	81.0	Blac	81.0 81.9	81.6 81.9	81.9	81.6	81.9	81.5
≥ 5000 ≥ 5000	87.0	97.07	01	112 - 8	12.8	81.9	81.7	81.9 82.6 83.7	81.7	81.9 82.0 83.2	82.4	83.2	82.3 83.2	83.2		87.8
≥ 4500 ≥ 4000	82.4	83 1	10	13.	1	83 - 2 84 - 5	84.6		85.1	85.1	85.1	85.6	89.1	84.6 85.1	27.1	84.6
≥ 3500	84.2	85 0	65 -	95 - 1 7 85 - 5		85 - 1 85 - 8 86 - 8	05.0	85.5 86.9	85.4	85.5	85.9	84.8	85.	85.8	86.9	86.9
≥ 2500 ≥ 2000 ≥ 1800	85.8 90.2	91	91	7 9 1	91.1	91.8	1 4 7 7	73.3	91.6	95.3	91.9	95.3	95.3	93.3	95.3	91.9
≥ 1500 ≥ 1200	95.8	97.	07	98	96.2	98 - 3	98.3	98.3	98.3	94.4	98.4	99.4		93.4	99.4	98.4
≥ 1000	95.9	38	99 =	99	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.1	79.7	99.7	99.7	79.7
≥ 800	95.9	98	99	'} · · · · · · ·	99.5	99.6	00 9	99.7	99.7	99.6	79.8	99.8	1	99.9	99.4	99.8
≥ 600	95.9	98	99	99.	99.4	99.6	19.7	97.8	99.1	99.4	99.9	99.9	100.0	47.9	100.0	100.0
≥ 400	95.9	98	99	99	4 99.4	99.6	99.6	97,0	99.	99.9	99.9	99.5	100.0	100.0	100.0	100.0
≥ 200	25.5	98	9 9 a	99	4 99.6	79.0	900	99.8		99.5	1	99.5	100.0	100.0	100.0	100.0
≥ 0	95.9	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	94	ÿe.	4 99.6	94.1	39.€	99,8	99.8	97.5	99.9	99.5	100.0	1100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS.....

USAF ETAC 10164 0-14-5 (OLT) MENOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/HAC

### CEILING VERSUS VISIBILITY

16

Œ.

40604 KWAJALI IN HARSHALL IS/BUCHILZ

44-72

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

THOURS IT ST

CEILING							VIS	BILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥1	≥2%	≥2	≥1%	≥1¼	≥1	≥¾	≥ 3/6	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	7.00°	56.9	56.9 68.7	56.9 58.4	68.8	₹•0€ 8•84			33.5	56.9 AR.R	56.9 8.84	56.9	(10.0		56.9	
≥ 18000 ≥ 16000	68.9	69.1	69.6	69.1	69.6	69.6	69.1	69.1	69.6	69.1	69.1	69.1	69.1	67.4	59.1	69.6
≥ 14000 ≥ 12000	71.9	72.0		78.1	72.1 70.2	72.1	72.1	72.1	72.1 76.8	72.1	72.1	72.1	76.8	72.1	72.1	72.1
≥ 10000 ≥ 9000	80.2	80.6	80.6	80.6	90 c 6	80.0	80.7	80.7	61.6	90./ 81.0	61.6	80.7	80.7	80.7 91.6	80.7	80.7
≥ 8000 ≥ 7000	81.9	82.9	87.9	82.4 82.9	82.9	82.4	03.0	82,4 83,0	82.4	87.6 83.0	82.4	82.4	82.4	82.4 83.0	82.4 83.0	, ,, <del>, ,</del> ,
≥ 6000 ≥ 5000	83.9	53.2 84.4	84.9 84.9	¥3.7	53.3 84.3	83.7 84.5	83.4	83.4 84.6	84.6	83.4 84.6	83.4	84.6	83.4	84.4	83.4 54.5	63.4
≥ 4500 ≥ 4000	54.2	84.7	85.9	84.8 85.4	84.8 85.9	84.4	84.5	85.9	85.9	44.9 85.9	85.9	85.9	84.7	114.9 25.0	84.9	84.9
≥ 3500 ≥ 3000	85.2 86.1	86.7	86.7	86.8 86.8	84.2 86.8	86.2 86.8	10.2	86.2 86.8	86.8	86.2 86.6	86.7	86.8	86.2	86.7 86.8	5.65 5.67	86.2
≥ 2500 ≥ 2000	66.7	97.4	87.4 92.7	87.5 92.8	92.8	92.8	92.8	92.8	87.5 92.8	97.0	77.0	92.9	87.6	97.4	92.9	87.6
≥ 1800 ≥ 1500	93.0	95.1	98.3	98.4	96.3	95.3	28.6	95,4 98,6	98.6	95.4 95.6	98.4	95.4	08.4	95.4	95.4	99.4
≥ 1200 ≥ 1000	96.7	98.0	60°3	99.5	99.4	99.5	43.5	97.5	99.5	90.6	99.4	49.6	99.6	99.6	99.4	99.0
≥ 900 ≥ 800	90.7	99.1	79.4 99.4	90.5	99.7	99.7	99.6	99,8	99.5	99.8 90.5	63.8 66.8	99.3	99.4	43.3 43.3	99.9	97.5
≥ 700 ≥ 600	96.7	99.1	99.4	99.5	99.7	99.7	99.9	99,9	\$ . \$ C	30.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	76. T	99.1	99.4	99.0	99.7	99.7	79.9	30.0	99.9	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	96.7	99.1 99.1	99.4	99.6 99.6	99.7	99.7	99.9	99,9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	96.7 96.7	99.1	99.4	99.6		99.7	99.9	99,9 90,0		100.0 100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

15491

USAF ETAC MUSA 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR MEATHER SERVICE/HAC

3

### CEILING VERSUS VISIBILITY

40604 RHAJALEIN MERSHALL IS/BUCHOLZ 44-46/49-72 YEARS PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (CST)

CEILING							VIS	IBILITY (ST.	ATUTE MIL	.ES)						
(FEET)	≥10	≥6	≥5	<b>∻.</b> 4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥ ¼	≥.%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	67.0	50.4	50.4	50.4 63.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 19000 > 18000	64.4	64.6	63.6	63.6	64.6	63.6 64.6	03.6	63.6	63.6 63.6	63.6	63.6	63.6	61.6	63.6		63.6
≥ 14000 ≥ 12000	71.5	67.0	67.0	67.0 71.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.6	67.0	67.0	67.0	67.0
≥ 10000	76.4 78.0	76,9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0 75.6	77.0	77.0	77.0	77.0	77.0	77.0
≥ 8000 ≥ 7000	79.4 60.1	80.9	80.1 81.0	S.08	40.2 91.0	S.08	80.2 81.0	80.2	80.2	50.2	80.2	80.3	80.2 01.0		80.2	#q.2
≥ 6000 ≥ 5000	60.7 82.2	51.5	51.6	81.0	83.2	81.6	81.6	81.6	81.6	81.6	A3.2	41.6	81.6	81.6	#1.6	11.0
≥ 4500 ≥ 4000	83.7	67.5 84.8	83.0 84.9	#3.6 #4.9	84.9	0.60 0.60	83.6	83.6 85.0	83.6	83.6	83.6	83.6	83.4	83.6	83.6	83.0
≥ 3500 ≥ 3000	84.9	85.7	85.4 86.3	85.4	85.4	86.3	86.3	85,4 86.3	85.4 86.3	85.4	86.3	85.4	85.4	85.4	85.4	\$5.4 \$6.3
≥ 2500 ≥ 2000	H5.7	91.2	17.2	91.5	97.3	\$7.3 V1.5	87.3	87.3 91.5	87.3	87.3	87.3	87.3	87.3	87.3	87.3	\$7.3 \$1.5
≥ 1800 ≥ 1500	91.3	93.4	93.7 96.8	97.0	93.8	93.8	93.8	93.9	93.9	93.9	97.2	93.7	97.2	91.9	93.9	93.4
≥ 1200 ≥ 1000	44.5	98.0	98.2 98.7	98.3	98.5	98.5	99.3	78.7	98.7	98.7	94.5	94.7	94.7	96.7	78.7	98.7
≥ 900 ≥ 800	94.5	98.0	94.7 98.7	98.9	99.2	99.2	99.3	99.5	99.4	97.6	99.5	99.5	79.7	99.3	99.5	99.5
≥ 700 ≥ 600	94.5	98.1	98.7	98.9	99.2	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500 ≥ 400	94.5	98.1	98.8	99.0	99.3	99.3 99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 300 ≥ 200	94.5	98.1 90.1	98.8 98.8		99.3	99.3	99.6	99.7	99.7	99.6	99.9	99.4	00.0	00.0	100.0	00.0
≥ 100 ≥ 0	94.5	98.1	98.8	99.0	99.3	99.3	99.5	99.7	99.7	99.8	99.9	99.0	00.0	00.0	100.0	00.0

TOTAL NUMBER OF OBSERVATIONS 160H2

USAF ETAC ALL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR HEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

40504 STATION

15

WHAJALTIN MARSHALL IS/BUCHULZ 44-72

APR HTHOM

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUE (131)

CEILING							VIS	IBILITY (STA	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	90.4 54.5	40.0	40.6	40.6 54.7	10.0	40.6	40.6	40.6	40.0	90.6	40.0	40.6	40.6	40.6	40.6	40.6
≥ 18000 ≥ 16000	55.4	57.1	55.6	35.6 57.1	35.¢	57.1	55.6 97.1	57.1	55.6 57.1	55.6 57.1	57.1	35.6	55.6	55.6	55.6 57.1	57.1
≥ 14000 ≥ 12000	60.4	60.7	69.7	60.7 69.7	60.7	\$0.7 69.7	69.7	69.7	60.7	69.7	60.7	40.7	60.7	69.7	60.7	69.7
≥ 10000 ≥ 9000	77.2	76.7	75.7 78.2	76.7	16.7	76.7	76.7	70.7	76.7	70.7	74.7	76.7	76.7	76.7	74.7	76.2
≥ 8000 ≥ 7000	78.4	79.4 80.6	79.4	79.4 10.6	19.4	30.7	79.5	79.5 80.7	79.5	79.5	79.5 80.7	79.5	79.5	79.5 80.7	19.5	79.5
≥ 6000 ≥ 5000	79.5	82.2	51.1 82.3	42.3	81.1	81.1	82.3	81,1	81.1	82.3	62.3	82.3	82.3	81.7	82.3	81.2
≥ 4500 ≥ 4000	61.9	82.6 83.7	83.7	43.0	83.7	#2.6 #3.7	83.6	\$2.6 83.8	83.8	#2.T		33.8	82.7	H2.7	87.8	82.7
≥ 3500 ≥ 3000	82.7	84.6	84.7	84.7	84.7	84.2	84.7	84.7	84.7	84.7	84.2	84.7	84.7	84.7	84.7	84.7
≥ 2500 ≥ 2000	69.1	91.9	92.0	92.1	92.1	85.4 92.1	92.2	92.7	92.2	92.2	72.2	92.7	85.4		72.2	92.2
≥ 1800 ≥ 1500	92.1	96.3	94.5	96.7	96.8	96.8	96.9	94.2	94.2	94.2	97.0	94.2	94.2	94.2	94.2	94.2
≥ 1200 ≥ 1000	93.0	98.1	98.0 98.5	98.9	99.2	99.2	99.4	98.6	99.4	99.5	94.6	99.0	99.6	99.6	99.7	97.6
≥ 900 ≥ 800	93.2 93.2	98.1	98.6	99.0	99.3	99.3	99.5	99.6	79.6	99.7	99.8	77.0	99.4	99.8	99.8	99.8
≥ 700 ≥ 600	93.2	98.2	98.6	99.0	99.4	99.4	99.5	99.6	99.6	90.8	99.8	99.8	99.9	99.9	99.4	99.4
≥ 500 ≥ 400 ≥ 300	93.2	98.2	98.0	99.0	99.4	99.4	99.6	99.7	99.7	99.0	99.9	99.7	100.0	100-0	100.0	100.0
≥ 200	93.2	98.2	98.6	99.0	99.4	99.4	99.6	97.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	¥3,2	98.2	98.0		2	99.4	99.6	V	99.7	99.0	99.9	99.9			100.0	2.3 2 7 11

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_\_

16666

USAF ETAC  $\stackrel{\text{10RM}}{\text{MLGA}} = 0.14.5 \, (OL~1)$  previous editions of this form are obsolete

DATA PROCESSING PRANCH USAF ETAC AIR MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

55

KWAJALTIN HARSHALL ISTRUCHULZ 44-72

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (LST)

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥1%	≥14	≥1	≥%	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	30.7 48.7	37.1 49.0	37.1 49.1	37.1 49.1	37.1	37.1	37.1	37.1	37.1 49.1	37.1 49.1	37.1	37.1	37.1	37.1	37.1 49.1	37.1
≥ 18000 ≥ 16000	50.0	50.3 51.9	50.3 51.9	50.3 51.7	50.3 51.9	50.3 51.9	50.3	50.3 51.9	50.3 51.9	50.3 51.9	50.3	50.3	50.7	50.3	50.3 51.9	50.3
≥ 14000 ≥ 12000	45.9	56.3	50.3		46.3	56.3 66.8	50.3	56.3	50.3	56.3 66.8	56.3	54.7	54.3	36.3	8.66	56.3 66.8
≥ 10000 ≥ 9000	72.1	73.0	73.1		73.2	73.2	73.2	73.2		73.2	73.2	73.2	73.2	73.3	79.2	73.2
≥ 8000 ≥ 7000	75.4	76,6	79.7	76.8	77.9	76.8	76.8	77.9	77.9	77.9	76.8	74.0	77.0	70.8	76.8	76.8
≥ 6000 ≥ 5000	76.6	78.1	79.4	78.3		78.3	78.3	78.3	79,5	78.3	79.5	79.5	79.5	70.9	78.3 79.5	79.5
≥ 4500 ≥ 4000	77.9	79.5	79.6 80.9		91.0	79.8 81.0	79.8	77.8	81.0	79.8	77.8	70.8	31.1	79.8	79.8	79,8
≥ 3500 ≥ 3000	79.8	81.7	81.4	82.1	82.1	82.1	81.6	82.2	82.2	82.2	81.6 82.2	83.5	81.6	82.5	02.2	22.7
≥ 2500 ≥ 2000	81.1	83.2 89.4	80.7	29.9	90.0	90.0	90.1	90.1	83.7 90.1	90.1	83.7 90.1	90.1	20.1	90.1	30.1	90.1
≥ 1800 ≥ 1500	90.0	94.7	95.5	95.6		84.4	30.0	92.7	72.7 96.1	96.1	90.1	94.1	96.1	76.1	96.1	96.1
≥ 1200 ≥ 1000	21.1	96.8	97.1 97.8	98.4	97.9 98.9	97.9	99.2	98.2	99.3	99.4	99.3	98.7	99.5	99.5	99.5	99.5
≥ 900 ≥ 800	91.1	96.8	97.8	98.4	99.0	99.0		79.4	77.1	99.7	99.7	99.7	99.7	99.0	99.0	99.5
≥ 700 ≥ 600	91.1	96.9	97.8	98.5	99.0	99.1	99.4	99.5	99.5	19.8	99.8	99.1	99.	99.9	77.7	99.9
≥ 500 ≥ 400	91.1	96.9	97.8	98.5	99.0	99.1	99.4	77.5	99.6	99.3	99.9	99.9	79.9	99.9	100.0	100.0
≥ 300 ≥ 200	91.1	96.9	97.8	98.5 98.5	49.0	99.1	99.4	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	91.1	96.9	97.8		99.0	99.1	99.4	99.6	99.0	20.0	99.9	99.9	100.0	100.0	100.0	100.0

17575 TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR MEATHER SERVICE/HAC

### CEILING VERSUS VISIBILITY

40604 STATION

RHAJALFIN HARSHALL IS/BUCHDLZ 44-45,47-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							ViS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥¾	≥%	≥1/2	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	18.4 52.3	38,5 52,4	38.5 52.3	38.5 52.5		38.5 52.5	38.5 52.5	38.5 52.5	38.5 52.5	38.5 52.5	38.5 52.5	38.9 52.9	18.5	38.5 52.5	38.5	38.5
≥ 18000 ≥ 16000	35.1	53,5 55,3	53.3 58.3	53.5 55.3	53.5	37.5 55.4	93.5	53,5 55,4	53.5 55.4	33.5 35.4	53.5	33.5 55.4	53.5	53.5 55.4	53.5	35.4
≥ 14000 ≥ 12000	59.4	69.1	69.2	59.6	69.4	\$9.4	49.7	59.7 69.4	59.7	49.4	59.7 69.4	59.7	69.4	69.4	69.4	59.7 69.4
≥ 10000 ≥ 9000	76.5	75.8	75.9	76.0	75.1	70.1	76.1	76,1	76.1	77.6	70.1	76.1	70.1			76.1
≥ 8000 ≥ 7000	78.0	70.0	79.0 80.1	79.1 80.2	79.2 80.7	79.2 80.3	79.2 80.4	79.2 80.4	79.2	79.2 80.4	79.2 50.4	79.2 80.4	30.4	79.2 80.4	79.2 80.4	79.2
≥ 6000 ≥ 5000	79.2 80.4	80.3	81.7	81.8	80.7	80.7	82.0	82.0	82.0	82.0	80.8	82.0	80.0	9.09		
≥ 4500 ≥ 4000	F0.0	81.0	62.0	33.2	93.4	33.4	82.7	83.4	03.4	87.4	82.3	83.4	82.3	82,-3 83,-4	82.3	83.4
≥ 3500 ≥ 3000	95.6	84.1	63.8 64.3	14.4	84.4	84.6	84.6	84.6	84.6	84.6	84.1	34.6	84.6	54.6	84.4	84.6
≥ 2500 ≥ 2000	87.5	89.7	90.0	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1800 ≥ 1500	61.1	94.5	95.0	92.6	95.7	92.8 95.0	75.9	92.9	95.9	95.9	92.9	95.9	93.9	99.0	96.0	96.0
≥ 1200 ≥ 1000	35.9	97.2	97.9	98.0	99.0	99.0	99.3	98.7	99.4	99.5	99.6	99.6	99.4	99.6	29.6	99.6
≥ 900 ≥ 800	92.5 72.6	97.2	98.0 98.0	90.5	99.1	99.1	19.4	99.5	99.5	99.7	99.7	99.6	79.8	99.9	19.8	90.8
≥ 700 ≥ 600	92.8	97.2	98.0	98.6	99.1	99.2	99.5	99.5	99.5	99.8	99.8	79.6	79.9	99.9	99.4	99.9
≥ 500 ≥ 400 ≥ 300	42.5	97.2	98.0	98.6	99.1	99.2	99.5	97.6	99.5	97.0	90.9	99.9	99.4	99.9	100.0	100.0
≥ 200	72.8	97.2	98.0		99.1	99.2	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100 ≥ 0	72.6		98.0		22.72	99.2	39.5	99.6	99.6	94.8	99.9				M	100.0

TOTAL NUMBER OF OBSERVATIONS.\_\_\_\_

USAF ETAC JUL64 U-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING REANCH USAF ETAC AIR WEATHER SERVICE/MAC

### **CEILING VERSUS VISIBILITY**

KHAJALEIN MARSHALL IS/BUCHILZ 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING							VIS	IBILITY (ST	ATUTE MIL	E3)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1%	≥ì	≥¼	≥%	≥%	≥ 5/16	≥11	≥0
NO CEILING ≥ 20000	38.3 53.9	38.5 54.2	38.5 54.2	38.5 54.3	38.5	38.5 54.3	38.5 54.3	38,3 54,3	38,5 54.3	34.5 54.3	35.5 54.3	36.9	38.3	38.3	38,5	38.5
≥ 18000 ≥ 16000	54.7	35.0	57.0 56.5	55.0 56.5	35.0	55.0	55.5	55.0 56.5	55.0	35.0	55.5	35.9	55.0	55.0	75.0 76.3	55.0 56.5
≥ 14000 ≥ 12000	71.4	40.9	60.9 73.0	72.0	72.0	20.0	72.0	40.9 72.0	72.0	60.9 72.0	40.9 72.0	7.00	72.0	72.0	60.9 72.0	60.9
≥ 10000 ≥ 9000	77.0	5.08	74.6		78.6 80.2	70.6	78.6 80.2	78.6	74,6	70.4	78.6 89.2	78.4	26.4 80.2		78.6	78.6
≥ 8000 ≥ 7000	50.5 80.8	81.7	87.1	81.0	81.4	82.2	81.8 82.2		81.8	81.8	81.8	81.7	87.4	81.9	82.2	52.2
≥ 6000 ≥ 5000	81.7	93.0	87.1	82.5 83.2	82.5	87.5	83.2	82.5	82.3	83.5	82.5	92.5 #3.7	82.3 83.2	83.2	83.2	82.5
≥ 4500 ≥ 4000	81.8 82.7	84.2	9.3 6.3	#3.4 #4.3	83.4	83.4	83.4	87.4 84.4	84.4	83.4	83.4 84.4	83.4	83.4	83.4 84.4	84.4	83.4 84.4
≥ 3500 ≥ 3000	\$2.9 B3.4	84,9	04.6 04.6	84.7 85.2	84.7	85.2	84.7	84,7	85.2	85.2	84.7	84.7 85.2	85.2	7 77 4 73 2: 13	85.2	54.7 55.2
≥ 2500 ≥ 2000	53.9	90.0	85.7	90.4	40.4	90 . 4	90.5	90.5	90.5	90.5	90.5	70.5	90.5	85.4 90.5	90.5	45.7 90.5
≥ 1800 ≥ 1500	20.0	95.4	93.3	93.5	96.7	93.6	76.9	96.9	94.9	93.7	96.9	93.7	93.7	93.7	93.0	97.0
≥ 1200 ≥ 1000	73.0	97.5	98.3	98.4	98.7	99.2	19.4	98.7	98.9	99.0	99.0	99.0	99.1	99.1	99.7	99.7
≥ 900 ≥ 800	93.0	97.5	98.3	98.5 98.5	99.2	99.2	99.5	97.6	99.6	97.5	99.6	99.7	99.7	93.3	30.5	99.7
≥ 760 ≥ 600	73.0	97.6	98.4	98.9	99.2	99.2	34°¢	99,6	99.6	99.7	99.8	99.0	99.9	99.9	99.9	99.9
≥ 500 ≥ 400	73.0 73.0	97,6	93.4	98.9	99.3	99.3	99.6	99.6	99.4	97.6	99.8	79.8 99.8	30.	99.9	99.9	99.9
≥ 300 ≥ 200	93.0	97.6	78.4	98.7	99.3	99.3	99.6	99.6	99.6		99.8	77.5	99.9	97.9		100.0
≥ 100 ≥ 0	73.0 93.0	97.6 97.6	98.4	98.9	99.3	99.3	99.6		99.6	99.8	99.8	79.8 79.8	79.9	99.9	***	100.0

TOTAL NUMBER OF OBSERVATIONS.....

17599

USAF ETAC JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

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C

KHAJALI IN MARSHALL IS/BUCHTLE 44-72

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥¼	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	35.1	30.4		38.4	38.4	30.4 34.4	38.4	38.4	38,4	30.4	38.4 54.4	38.4	34.4 34.4	31,4 54,4	38.4 54.4	38.4
≥ 18000 ≥ 16000	54.P	55.1	50.6	55.1 56.6	55.1	35.1 36.6	35.2	35.1 36.6	55.1 56.6	55.1 56.6	55.1 56.6	35.1	55.1	55.1	33.1 36.4	55.1 56.6
≥ 14000 ≥ 12000	71.0	71.9	71.9	7 44 4	61.1 72.0	0.57	72.0	72.0	72.0	45.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 10000 ≥ 9000	19.4	77.8	81.8	79.R	81.9	99.8 81.9	19.9	31.9	79.9	81.8	N1.9	41.0	81.9	87.0	81.9	79.9
≥ 8000 ≥ 7000	81.8	83.5		83.7	83.8	83.5 83.8	83.8	83.B	83.5	83.8	83.4	83.8	43.	83.5	83.8	83.0
≥ 6000 ≥ 5000	6.2 g	84.5	34.6	84.0	84.7	84.7 84.7	84.7	84.7	84.7	84.7	74.7	84.7	84.7	74.0 84.7	H4.7	84.7
≥ 4500 ≥ 4000 ≥ 3500	67.5 53.6	85.5	85.7	Ñ5.7	85.7	85.8	85.8	85.8	85.8	H5.8	85.8	85.8 5.7	85.9	83.8 85.9	85.8	85.3
≥ 3500 ≥ 3000 ≥ 2500	63.8 84.4	86.0	06.1	86.1	86.2	86.2	86.2	86,2	86.2	80.2	86.2	76.2	87.0	80.2	86.2	86.2
≥ 2000	87.2	90.0	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.5	70.5	90.9	90.5	90.5	70.5	90.5
≥ 1500	62.3	95.8	3-0	96.6	93.7	96.7	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000	92.4	97.6	98.3	98.7	99.1	99.2	79.4	99.4	99.4	97.5	99.6	99.6	99.	99.6	99.0	77.6
≥ 800	92.4	97.7	98.4	98.8	99.3	99.3	99.5	97.6	99.6	97.7	92.8	99.6	99.4	99.8	99.0	99.9
≥ 600	92.4	97.7	98.4	98.4	99.3	99.3	99.6	99.6	99.6	99.8	99.4	99.0	99.9	99.9	100.0	97.9
≥ 400	72.4	97.7	98,4	98.9	99.3	99.3	79.6	99.7	99.7	99.8	99.9	99.7	79.9	99.9	100.0	100.0
≥ 200	92.9	97.7	98.4	98.9	99.3	99.3	44.0	99.7	99.7	99.5	99.9	99.5	99.9	99.9	100.0	100.0
≥ 0	92.4	97.7	98.4	á8°0	99.3	99.3	99.6	99,7	99.7	99.1	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS.....

17601

USAF ETAC MA 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE DISSOLETE

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DATA PRINCESSING BRANCH USAF ETAC 5 ATR WEATHER SERVICE/MAC KWAJALEIN HARSHALL IS/BUCHILL 44-72 1 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) I VISIBILITY (STATUTE MILES) CEILING (FEET) ≥10 ≥6 ≥1% 36.4 52.3 30.4 36,4 NO CEILING 36.4 10.4 30.4 35.4 34.4 36.4 30.4 52.3 52.3 52.3 52.3 32.3 52.3 12.3 53.3 33.3 53.3 55.3 53.3 53.3 53.3 55.3 59.3 55.3 53.3 53. 4 ≥ 18000 33.3 <u>55.3</u> 55.0 C. ( 60.0 60.0 60.0 60.0 60.0 ≥ 14000 40.0 60.0 60.0 60.0 79.1 79.1 79.1 79.2 51.4 81.4 81.4 81.4 ≥ 10000 79.1 79.1 42.9 42.9 82.9 82.9 43.0 83.0 43.0 43.4 43.4 83.4 83.4 83.4 83.4 83.4 ≥ 8000 ≥ 7000 61.1 62.7 82.9 42.9 42.9 83.4 8.3.3 83.5 21. 9 83. 2 83. 6 83. 7 83. 7 \$2. 0 84. 4 84. 6 84. 7 84. 7 83.7 03.7 83.7 83.7 83.7 83.0 93.0 43.3 84.7 84.7 84.7 84.7 84.7 84.7 ≥ 6000 ≥ 5000 ≥ 4500 ≥ 4000 83.9 85.7 85.9 86.0 46.0 83.9 86.0 86.3 86.4 86.4 86.0 86.0 40.1 86.1 46.1 06.1 86.1 46.1 ≥ 3500 ≥ 3000 ≥ 2500 ≥ 2000 1800 ≥ 1200 ≥ 1000 92.2 97.5 98.3 98.7 99.2 92.3 97.5 98.3 98.8 99.2 99.2 99.3 99.6 99.6 99.6 99.6 99.6 99.6 900 92.3 97.5 98.3 98.8 99.3 92.3 97.5 98.3 98.8 99.3 99. 7 49. 6 99. 7 99. 7 99. 8 99. 8 99. 8 ≥ 99.6 99.7 99.7 97.5 99.8 99.0 99.3 97.6 99.7 99.7 99.6 99.9 99.9 500 92.3 97.5 98.3 96.8 99.3 99.3 97.3 97.5 98.3 98.8 99.3 92.3 97.5 98.3 98.8 99.3 99.0 99.7 99.7 99.8 99.9 99.7 300 99.0 99.3 99,7 99.7 99.8 99.9 99.0 99.3 98.8 40.3 99.4 90.7 99.7 79.9 100 29.0 99.7 28.0 99.6 99.3 99.7 99.7 99.8 99.9 99.9 99.9 99.9100.0100.0

#### CEILING VERSUS VISIBILITY

≥ 5/16 36.4 30.4 36.4 30.4 52.3 92.3 53.3 53.3 53. 53.3 55.3 60.0 50.0 60.0 50.0 40.0 60.0 79.2 79. 83.0 83.0 83.0 83.0 93.8 87.8 93.8 63.6 94.7 84.7 84.7 84.7 85.0 85.0 85.0 85.0 85.8 85.8 85.8 55.1 86.1 80.1 56.1 87.1 87.1 87.1 87.1 93.5 93.7 93.7 93.5 93.5 93.5 93.5 48.0 98.8 98.8 98.8 99.7

TOTAL NUMBER OF OBSERVATIONS...

USAF ETAC HOLA 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY DATA PROCESSING PRANCH USAF ETAC ATH HEATHER SERVICE MAC JCT WORTH 44-72 KNAJALTIN MARSHALL 15/DIJCHOLT 40604 HOURS IL ST PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) VISIBILITY (STATUTE MILES) CEILING (FEET) ≥1½ ≥ 4 ≥10 ≥6 34.5 34. 14.5 49.4 34.5 34.5 34.5 34.5 34. 49.4 NO CHILING 50.3 49.4 30.3 50.3 50.3 ≥ 20000 30. 30.3 50.3 50. 30.3 50.3 50.3 50. 51.9 51.4 57.1 57.1 70.7 70.7 ≥ 18000 70. 57.1 57.1 57.1 57.1 57.1 57.1 70.7 70.7 70.7 70.7 70.7 ≥ 14000 ≥ 12000 70.7 70.7 70.7 78.7 78.7 74.7 71.7 80.3 80.5 90.5 80.5 711.7 70.7 78.7 76.7 20.5 80.5 80.5 78.7 78.7 1 78.6 76.7 80.4 ≥ 10000 ≥ 9000 80.4 82.5 ≥ 8000 ≥ 7000 \$60. \$\\ \begin{align\*}
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OATA PROCESSING ARANCH USAF ETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

\$ 65 T

KHAJALFIN HARSHALL IS/BUCHOLZ 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING							VIS	IBILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1½	≥1¼	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	35.0	2	35.8 50.9		36.8 50.9	36.8 50.0	30.9	36.8 50.9	36.8 50.9	30.9 50.9	30.9	36.0		30.9	36.4	30.9
≥ 18000 ≥ 16000	51.7	51.5	51.5	\$1.5 52.7	51.5	51.5 52.7	57.5	32.7	31.5 52.7	51.5 57.7	51.5 52.7	31.5	91.3 52.7	51.7	51.5 52.7	57.7
≥ 14000 ≥ 12000	55.3	\$6.2 67.7	50.2 67.7	56.2	50.2 67.7	47.7	50.2 67.7	67.7	50.2 67.7	56.7	50.2	56.2	47.7	67.7	57.7	30.6
≥ 10000 ≥ 9000	73.9	79.1	75.2 7A.9	75.2	15.2	75.2	75.2	75.3	75.3	75.3	77.0	77.0			77.0	75.3
≥ 8000 ≥ 7000	77.0	79.9		80.1	19.7	79.7 80.2	80.2	79.7	79.7	79.7	30.2	79.7	19.7	40.7	79.7 80.2	79.7 80.2
≥ 5000 ≥ 5000	78.1 78.9	81.0	80.3	81.3	81.3	80.4 H1.3	81.3	81.3	80.4	80.4	61.3	80.4 #1.1	31.2	80.4	81.7	81.3
≥ 4500 ≥ 4000	70.7	81.1 81.8	95.	R2.1	81.4 1e58	82.1	81.4	81.5 82.2	82.2	81.5	82.2	82.2	82.2	82.2	82.2	82.2
≥ 3500 ≥ 3000	10.2	82.4	82.4	ガス。4 ガフ。8	82.7	#2.5 #2.9	02.5 82.9	\$2,5 \$2,9	82.9	82.9	62.5	42.4	62.9	82.9	82.5	82.9
≥ 2500 ≥ 2000	17.9	87,0		87.5	87.6	87.0	87.7	83.7	87.7	87.7	67.7	87.7	87.7	87.7	23.4 27.7	87.7
≥ 1800 ≥ 1500	4 X . 5	94.0	94.7	95.0	93.3	91.2	91.3	95.4 95.4	91.3	95.4	95.4	95.4	95.5	45.5	98.3	99.5
≥ 1200 ≥ 1030	90.0 90.3	94.8	97.8	97.6 98.2	99.0	98 e 7	99.0	30.0	90,1	99.2	99.2	99.	29.3	99.3	99.3	99.3
≥ 900 ≥ 800	90.3	96.7	97.9	98.4	48.9	99.9	99.2	99.3	99.3	99.5	99.5	99	90.6	99.6	99.0	99.0
≥ 700 ≥ 600	90.		97.9		98.9		90.	79,3	99.4	96.3	79.6	99.0	99.	99.1	99.7	99.7
≥ 500 ≥ 400	90.		97.9	98.4	99.0	99.0	99.4	99.5	99.	99.7	99.0	99	79.4	99.9	99.9	79.9
≥ 300	90.	26.5	1 2	11 III - T.	م تشد ا	99.0	1 11 .		99.	99.6	99.8		79.5	99.9	100.0	100.0
≥ 100 ≥ 0	5n.	4	27.9			1 :: " '	1 1 1 1	90.5	1 1 1 " "	1 1:-3	1 12 7 2	1 1 1	99.9	7	100.0	10

TOTAL NUMBER OF OBSERVATIONS\_

17040

USAF ETAC NICO 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PRUCESSING GRANCH (. 6 CEILING VERSUS VISIBILITY USAF ETAC AIR MEATHER SEPVICE/MAC M. \*HAJALTIN MAPSHALL ISINUCHILZ 40604 ( PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 1 VISIBILITY (STATUTE MILES) CEILING (FEET) ≥ 5/16 ≥10 ≥1% ≥1¼ €. 00.0 00.0 00.0 60.0 60.3 00.3 60.3 60.3 61.2 61.3 61.2 61.2 63.4 63.4 63.4 63.6 71.8 71.8 71.8 47.0 67.0 47.0 47.C 47.0 47.0 47.0 47.0 47.0 47.0 47.0 47.C NO CEILING 47.0 39.4 60.0 00.00 60.00 60.0 60.0 0.00 60.00 60.0 60.0 60.0 60.0 
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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### **CEILING VERSUS VISIBILITY**

KWAJALEIN HARSHALL IS/BUCHTLZ 45-74 YEARS

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥۱	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CFILING ≥ 20000	50.2	58.4 68.4	58.3 68.4	68.4	58.5 60.4	58.5 68.4	68.4	68.4	58.5 68.4	68.6	58.5	68.4	58.5 68.4	50.5	58.5 48.4	68.4
≥ 18000 ≥ 16000	66.2	68,4	69.7	69.7	64.5	68.5	64.5	69.7	67.2	69.2	69.2	68.9	68.5	68.5	65.2	69.2
≥ 14000 ≥ 12000	70.3	70,8	70,8	77.4	70.8	70.8	77,4	70,8	70.8	70.8	70.8	70.1	77.4	70.6	77.4	77.4
≥ 10000	80.4 -1.2	80.9	#1.0 01.9	81.0	81.0	81.5 2.18	81.9	81.0	81.0	81.9	81.0	81.0	81.0	81.0	81.0 81.9	81.9
≥ 8000 ≥ 7000	* 2.2 * 2.3	82.8	83.2	83.7	42.9	83.2	83.2	82.9 83.2	83.2	87.2	83.9	82.9	83.2	87.9	83.2 83.2	83.2
≥ 5000 ≥ 5000	13. 22.	83.5	84.0	64.6		83.6 44.0	84.0	84,0	83.6		83.6 84.0	84.0	84.0	83.8	84.0	84.0
≥ 4500 ≥ 4000	84.7	84.1	85.4	85.5		84.1		84.1	84.1	84.1	85.5	85.5	85.5	84.1	84.1	
≥ 3500	5.2 56.2	85.9	80.0		80.0	86.C	84.9	86.9		85.9	86.9 86.9	86.9		86.0	86.0	84.9
≥ 2500 ≥ 2000 ≥ 1800	26.8 90.9	87.6 91.7 95.4	95.7 95.7	. 14		92.0	92.0		87.8 92.0 95.4	97.8 92.0 95.8	72.0	92.0	92.0	92.0	92.0	92.0
≥ 150√	96.0		98.4	95.8 98.7 99.5	95.8	95.8	95.8 95.7 99.5	98.7	98.7	98.7	95.8 98.7	95.8	75.9 78.7	95.6 98.7	75.0	98.7
≥ 1000	16.4	99.1	99.5	99.1	99.9	99.9	99.9	49.9	99.4	90.0	99.9	99.9	99.	99.9	99.9	99.9
≥ 900 ≥ 800 ≥ 700	96.4	99.1	99.5	99.0	99.9	99,9	79.9	97.9	97.9	90.0		90.9	99.9	99.7	99.9	99.9
≥ 600 ≥ 500	96.4		99.0	99.9		100.0	100.0	100.0	100.0	100.0	100.0			100.0	ing.o	
≥ 400	90.4	90.	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200 ≥ 100	96.4	99,1	94.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	160.0	100.0	190.0	100.0	100.0	100.0
2 0	90.4	99.1														100.0

TOTAL NUMBER OF OBSERVATIONS 2107

USAF ETAC MA 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PRUCESSING BRANCH USAF ETAC AIR BEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

40604 51ATION

**1** 5

KEAJALEIN MARSHALL 15/BUCHOLZ 45-77

- HALL

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0400

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4 '	≥3	≥2%	≥ 2	≥1%	≥1¼	≥1	≥¾	≥%	≥%	≥ 5/16	≥4	≥0
NO CEILING ≥ 20000	56.0	56.6	56.6 66.2	50.0	56.6 66.2	36.6 66.2	96.6	54.0	56.4	56.6 66.2	54.6	56.6 66.2	56.6 66.2	56.6 66.2	50.6 66.2	56.0
≥ 18000 ≥ 16000	65.8	66.2	64.2 67.1	66.2 67.1	67.1	66.2	66.2	67.1	66.2	67.1	67.1	66.2	67.1	66.2	67.1	60.2
≥ 14000 ≥ 12000	13.0	68.6 73.1	73.1	73.1	73.1	73.1	68.5	73.1	73.1	48.6 77.1	73.1	73.1	73.1	73.1	64.6 73.1	64.6
≥ 10000 ≥ 9000	76.7	77.1	77.1	77.2	77.2	77.7	77.2	77, 7	77.2 78.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 8000 ≥ 7000	78.9	79,1	79.1	79.2		79.8	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 6000 ≥ 5000	79.6	79,9 80,5	79.9	80.0		80.0	0.05 6.08	80.0 80.6	80.0	80.0 80.6	00.0 80.6	80.0		80.0 80.6		80.6
≥ 4500 ≥ 4000	79.9	80.8	87.3	82.4	02.4	81.0	82.4	81.0	81.0	81.0	81.0 B2.4	#1.00	82.4	81.0 82.4		81.0
≥ 3500 ≥ 3000	51.9	82.8	87. <b>9</b>	43.4	83.4	82.9	82.9	82.9	82.9	82.9 83.4	82.9	82.9	82.9	82.9	12.9 83.4	92.4 81.4
≥ 2500 ≥ 2000	87.6	89.7	54.7 54.8	84.8	89.9	84.0	84.8	84.8	84.8	84 - R	84.8	89.9	84.0	84.8	74.0 79.9	84.8 89.9
≥ 1800 ≥ 1500	91.2	93.8 97.5		94.1	741	94.3	98.2	94.3 98.2	94.3	94.3	94.3	94.3	98.2	94.3	74.3	94.3
≥ 1200 ≥ 1000	44.9	99.0		99.0		99.3	99.3	99,8	99.3	99.8	99.6		99.3	99.8	99.3 89.8	99.3
≥ 900 ≥ 800	94.9	99.0	99.2	99.5		29 • 4 29 • 4	99.8	99.8	99.9	97.8		99.4	99.9	93.8	99.8	99.8
≥ 700 ≥ 600	94.9	99.0		99.5		99.9	99.9	97.9	99.9	99.0	99.9	77.9	49.9	99.9	99.9	
≥ 500 ≥ 400	94.9	99.0		99.5	99.9			90,9	79.9	100.0	100.0	100.0	100.0	100.0		100.0
≥ 300	94.9	99.0	99.2	99.5	99.9		134.4	100.0	00.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	94.9	99.0	4 - 1	99.5		99.5	99.9	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_

2108

USAF ETAC  $\frac{100M}{3016M} = 0.14.5$  (OL 1) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PRUCESSING RRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

40604 KHAJALTIN HARSHALL ISTRUCHOLZ 45-72

MAAN \_\_\_

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥1%	≥1¼	≥۱	≥ ¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47,7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 18000 ≥ 16000	60.7	60.7	60,7	60.7	60.7	60.7	60.7	60.7	61.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 14000 ≥ 12000	62.0	62.9	67.9	62.0	62.9	68.6	62.9	62.9	62.9	62.9	9.50	68.6	62.9	62.9	68.6	62.9
≥ 10000 ≥ 9000	73.9	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	76.1	74.5	74.5	74.5	74.5
≥ 8000 ≥ 7000	77.0	77.8	77.8	77.9	77.9	77.7	77.9	77.9	77.9	77.9	77.9	77.5	77.9	77.7	77.9	77.4
≥ 5000 ≥ 5000	78.0	78.9	78.9		19.0 40.0	79.1	79.1	79.1	79.1	79.1	79.1 80.6	77.1	79.1	79.1	79.1	79.1
≥ 4500 ≥ 4000	79.3 81.2	80.2 82.2	80.2	80.3	40.3	90.4 82.4	80.4 62.4	BO.4	80.4	80.4 82.4	80.4 82.4	80.4 82.4	00.4 82.4	80.4 87.4	80.4 82.4	4.08
≥ 3500 ≥ 3000	81.8 82.5	82.6	82.8	62.9 83.8	#2.5 #3.5	83.0	83.0	93.0 83.7	83.0 83.9	83.0 83.0	83.0	#3.0	93.0 43.9	83.9	83.0	
≥ 2500 ≥ 2000	0,68 0,88	84.7	84.8 89.8	7,79	89.8	89.9	89.9	84.9	84.9	84.9 89.9	89.9	89.0	84.9 99.9	84.9	84.9	84.9
≥ 1800 ≥ 1500	94.8	94.3	94.4	94.7	94.7	94.7	94.2	98.2	94.8	94.8	94.3	94.8	94.5	94.8	94.8	94.8
≥ 1200 ≥ 1000	95.7	90.6	99.0	99.4		99.5		99.6	99.6	97.0	99.7	99.6	99.7	99.6	99.0	99.6
≥ 900 ≥ 800	95.7	98.6	99.0		99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	79.7	99.7	99.7	99.7
≥ 700 ≥ 600	95.7	98.7 98.7	99.1	99.6		99.7	99.8	79.8	77.4	99.9	5.5 5.6 6.4	79.9	77.5	# 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	99.8	99.4
≥ 500 ≥ 400	95.8 95.8		99.2	99.7	99.3	99.8	99.9	99,9	99.9	100.0 100.0	100.0	100.0	100.0	000	100.0	100.0
≥ 300 ≥ 200	95.8		99.2	99.7	99.8	,	99.9	99.9	99.9	100.0			100.0	100.0	100.0	100.0
≥ 100 ≥ 0	95.5		2.4	99.7	99.8		99.9	* * _		100.0 100.0			100.0		100.0	100.0

TOTAL NUMBER OF OBSERVATIONS.....

2108

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

KWAJALCIN MARSHALL IS/BUCHILZ 45-72

2108

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-1100

CEILING							VIS	BILITY (STA	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥ 2	≥1%	≥1%	≥1	≥¼	≥%	2.%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	63.3	49.6	49.6	40.6	49.6	47.6	49.6	49.6	49.6	49.6	49.6	49.6	47.6	49.6	49.6	49.6
≥ 18000 ≥ 16000	64.4	63.9	63.9	63.9	64.5	64.5	64.5	64.5	63.9	63.9	64.5	67.5	64.5	63.9	67.9	63.9
≥ 14000 ≥ 12000	72.6	73.0	73,0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	77.1	73.1	73.1
≥ 10000 ≥ 9000	70.0	80.5	79.4 80.5	80.5	80.5	79.4 80.6	80.6	77.4 80.6	79.4 80.6	79.4 80.0	80.6	80.6	79.4	79.4 80.6	79.4	30.6
≥ 8000 ≥ 7000	81.9	81.8	82.6		81.8	81.9	82.7	31.9	81.9	81.9	82.7	82.7	82.7	81.9	81.9	81.9
≥ 6000 ≥ 5000	83.3	84.0	82.9	92.9 84.0		83.0	64.1	83.0	83.0	84.2	84.2	84.2	83.0	84 - 2	83.0	83.0
≥ 4506 ≥ 4000	43.6 55.1	85.7	85.8	85.6	85.9	86.0	86.0	86.0	80.0	84.5	86.0	84.5	76.0	86.0	86.0	86.0
≥ 3500	85.4	87.0	87.0	87.0	86.3 57.2	86.3 87.2 88.2	86.2	86.3 87.2	87.2	87.3	87.3	87.3	86.4	87.7	86.4 87.3	87.3
≥ 2500 ≥ 2000	90.7	91.9	91.9	91.9	98.1 92.1	92.1	92.1	92.1	92.1	98.2 92.2 95.6	92.2	92.2	92.2	95.6	92.2	92.2
≥ 1800 ≥ 1500 ≥ 1200	95.4	97.6	95.2 97.8	1 4 4	98.3	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200 ≥ 1000 ≥ 900	95.7	98.2	98.5 98.5	98.8	99.7	99.3	99.4	99.4	99.4	99.7	99.7	79.7	99.7	99.7	99.7	99.7
≥ 800	95.7	98.3	78.0	98.9	99.3	99.4	99.6	99.6	99.6	99.9	99.9	99.7	99.9	99.9	99.9	99.9
≥ 500	95.7	98.3	98.6	98.9	99.3	99.4	99.6	97.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	95.7	98.3	98.0	98.9	49.3	99.4	99.6	99.6	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	95.7	98.3 96.3	98.6	98.9	99.3	99.4	99.6	97.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
5 0	75.7	98.3	98.8			99.4	99.6	97.6	79.6		100.0	100.0	100.0	100-0	100.0	7 7 7 11

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_\_

USAF ETAC MILES 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSCIETE

DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/HAC

### CEILING VERSUS VISIBILITY

XWAJALEIN HARSHALL IS/BUCHILZ 45-72

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#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							VIS	IBILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥¼	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	51.4	51.4	51.4	51.4 65.3	51.4 65.3	51.4 65.7	51.4	51.4 65.3	51.4	51.4	51.4	51.4	51.4	51.4 65.3	51.4	51.4
≥ 18000 ≥ 16000	65.8	65.8	66.3	45.0	65.0	66.7	65.8	65.8	66.3	65.8	65.8	65.0	65.4	66.3	65.8	66.3
≥ 14000 ≥ 12000	67.4	67.4 74.1	67.4 74.2	74.2	67.4	67.4	74.2	67.4	67.4	74.2	67.4	47.4	74.2	67.4	67.4 74.2	67.4
≥ 10000 ≥ 9000	79.0 86.5		80.7	80.2 81.2	80.2	80.2 81.2	80.2	80.2 81.2	A0.2	80.Z	80.2	80.2	80.2	11.2	80.2	81.2
≥ 8000 ≥ 7000	82.3	83.0		82.3	83.7	82.3	83.2	87.4	82.4	92.4	83.2	42.4	82.4	47.4	82.4	83.2
≥ 6000 ≥ 5000	83.4		83.4	84.2	83.4	83.4	84.3	34.3	83.5	83.3 84.3	63.5 84.3	83.5	84.3	84.7	83.9	83.5
≥ 4500 ≥ 4000	84.3	64.3 85.0		84.4 85.1	44.4 115.1	44.4	85.2	84.5	85.2	85.2	85.2	85.2	84.5	84.5	83.2	85.2
≥ 3500 ≥ 3000	84.5	85.2	85.3	86.0	85.4	85.4 86.0	86.0	So C	85.5	85.5	85.5	65.3 86.4	85.5	85.5	95.9	86.0
≥ 2500 ≥ 2000	90.0	87.0 \$1.0	87.2 92.3	97.3	97.4	92.4	97.4		92.5	87.4 92.5	87.4	87.4 97.5	97.4	92.5	47.4	92.5
≥ 1800	93.0	94.8	94.1	95.3	95.3	98.3	98.4	95.4	95.4 98.4	95.5	78.5	95.5 98.5	95.5	75.5	98.5	98.5
≥ 1200 ≥ 1000 ≥ 900	95.7 95.7	98.1 98.2 98.2	98.9 98.9	90.1	99.2	99.0	99.5		99.5	99.7	99.7	99.3	29.4	99.8	99.8	99.8
≥ 900 ≥ 800 ≥ 700	95.7	98.2	99.0	99.1	99.3	99.3	99.6	99.5	99.7	97.8	99.1	49 H	29.9	99.9	99.9	99.4
≥ 600	95.7 95.7	98.2	99.0	99.1	99.3	99.3	79.6	1 4,5 7 7	99.7	99.8		77.0 79.7	79.9	99.9	99.9	99.9
≥ 500 ≥ 400 ≥ 300	95.7	98.2	99.0	99.1	99.7	99.3	99.6	97.6	99.7	99.8	99.9	99.7	100.0	100.0	100.0	100.0
≥ 200	95.7	98.2	79.0	99.1	99.3	97.3	99.6	97.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	95.7	98.2	1 2 7	99	99.7	57.7	, <del>.</del> .	1 1		99.8	99.9	90.4	100.0	100-0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2107

USAF ETAC  $\stackrel{\text{FORM}}{\text{MR 64}} = 0.14.5 \, \text{(OL 1)}$  previous editions of this form are obsolete

DATA PROCESSING ARANCH USAF ETAC AIR WEATHER SERVICE/MAC

### **CEILING VERSUS VISIBILITY**

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ENAJALTIN MARSHALL IS/BUCHOLT

45-72

HINGH

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VIS	GIBILITY (ST.	ATUTE MIL	ES)						
(FEET,	≥10	≥6	≥5	≥4	≥3	≥2%	≥ 2	21%	21%	≥1	≥ ¾	≥ %	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	49.5	, .	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	امسدا	49.5	49.5	49.5	49.5	49.5
≥ 18000 ≥ 16000	64.2	63.6	63.6		63.6	63.6	64.2	64.2	64.2	63.6	64.2	63.6	63.6	63.6	64.2	61.5
≥ 14000 ≥ 12000	65.4	65.4 71.6	65.4	65.4	65.4	71.0	65.4	65,4	65.4	65.4 71.7	65.4	45.4	05.4	05.4	55.4	65.4
≥ 10000 ≥ 9000	76.3		77.1	77.1 78.5	77.1	77.1	77.1	77,1 78,5	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 8000 ≥ 7000	78.0	70,7	78.7 79.0	78.7 79.0	78.7	78.7	78.7	78.8	78.8	78.8	74.8	76.8	78.8	78.0	78.8	76.8
≥ 6000 ≥ 5000	78.8 %0.2	79.5	79.5	79.5	79.5	79.5	79.6	79,6 81,1	79.6	79.7	79.7	79.7	79.7	97.7	79.7	79.7
≥ 4500 ≥ 4000	80.7	\$1.5 87.8	81.5	01.6 82.8	81.6	81.6	01.6 42.9	81.7 82.9	81.7	81.7	81.7 93.0	81.7	81.7	81.7	81.7	81.7
≥ 3500 ≥ 3000	87.4 83.4	83.4 84.3	83,4	83.5 84.4	83.5	84.4	84.4	83.6	84.5	83.6	83.6	43.6 44.5	83.6	83.0	84.5	83.6
≥ 2500 ≥ 2000	94.3	85.3 92.2	85.3 92.2	92.3	85.4 72.3	85.4 92.3	95.4 92.4	45.5 92.4	92.4	85.6 97.5	85.6 92.5	92.5	92.5		0.00	93.6
≥ 1800 ≥ 1500	92.9	94.5	94.6		94.8	98.0	94.9	96.1	98.1	95.0	98.2	98.3	95.0	95.0	95.0	95.0 98.2
≥ 1200 ≥ 1000	95.9	95.6	98.7 98.8	98.9 99.1	99.1	99.1	99.4	99,3	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900 ≥ 800	96.0	98.6	94.9	99.1	99.3	99.7	99.4	99.5	99.5	99.7	79.7 99.8	99.7	99.7	99.7	99.7	99.7
≥ 700 ≥ 600	96.0	98.6 93.6	98.9	99.1	99.3	99.3	99.5	99.6	99.6	99.8	99.8	94.8	99.8	97.8	99.9	99.9
≥ 500 ≥ 400	90.0		98,9	99.1	99.3	99.3	99.5	99.6	99.6	99.9	99.4	79.8	99.8	99.9	100.0	100.0
≥ 300 ≥ 200	96.0 96.0	98.6	91,9 91,9	99.1	99.3	99.3	99.5	99.6	99.4	99.9		49.9	99.9 100.0		100.0	100.0 100.0
≥ 100 ≥ 0	96.0		98,9		99.3	99.3	99.5	99,6	99.6	99.9					100.0	

TOTAL NUMBER OF OBSERVATIONS\_

2107

USAF ETAC MAGA 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/HAC

### **CEILING VERSUS VISIBILITY**

KNAJALEIN HARSHALL IS/BUGHILL 45-77 YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1400-2000

CEILING							VIS	SIBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	49.7 63.1	49.7	49.7	49.7	49.7	49.7	44.7	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 18000 ≥ 16000	64.6	424	64.6	64.6	64.6	63 a 8	64.6	64.6	64.6	63.8	\$7.8 64.6	43.0	63.4	63.8	64.6	63.8
≥ 14000 ≥ 12000	73.0	73.0	66,6 73,0	73.0	73.0	73.0	60.0	73.0	73.0	73.0	73.0	46.6	73.0	73.0	73.0	66.6 73.0
≥ 10000	79.2	79.2 80.4	77.7 80.4	79.2	79.2	79.2	79.2	79.2 80.4	79.2	79.7 HU.4	79.2 80.4	79.2	79.2 80.4	79.2 80.4	79.2	79.2
≥ 8000 ≥ 7000	41.2	81.6	81.4 H1.8		81.4 91.8	81.4	81.0	81.8	81,4	81.6	81.4	Ble4	Hie	#I.4	81.4	81.4
≥ 5000	51.9 83.0	82.2	82.2 83.3	13.3	93.3	33.3	82.2	83.2	82.2	92.2 83.3	82.2	#2.2 #3.3	#2.2 #1.3	82.2	52.2	82.2
≥ 4500 ≥ 4000 ≥ 3500	53.3 54.9 55.4		03.7 89.3	83.7 85.3	93.7 85.9	83.7	85.7 85.9	85.7	83.7	83.7 85.3	83.7	43.7	83.7	83.7 65.3	83.7	83.7 85.3
≥ 3000 ≥ 2500	85.0	86.7 87.3	86.2	87.3		85.9 86.3	87.4	85.9	85.9 86.3	85.3	86.3	85.9 84.1	87.4	86.3	85.9 86.3	86.7
≥ 2000	93.9	92,5	97.5	95.6	95.6	92.6	75.6	92.7	92.7	95.6	72.7	95.0	95.6	95.6	95.0	92.7
≥ 1500	95.8	98.1	99.0	98.7	96.2	98.2 99.1	98.3	99.3	98.3	99.3	79.3	98.3	98.3	98.1	98.3	98.3
≥ 1000	90.5	90.1	99,1	99.2	99.4	99.4	99.6		99.0	94.4	99.6	99.0	99.6	99.6	99.0	99.6
≥ 800 ≥ 700	96.5	99.1	99.2	99.4	99.6	99.0	99.6		99.6	99.8	99.8	99.8	99.4	99.8	99.8	99.8
≥ 500	96.3	99.1	99.3	99.4	99.4	99.0	99.9	99.8	99.8	99.8	99.6	99.7	100.0	100.0	100.0	100.0
≥ 400	96.5	99.1	99.2	99.4	79.7	99.7	99.9	1 1 7 1	99.9	49.9	99.9	99.19	100.0	100.0	100.0	100.0
≥ 200 ≥ 100 ≥ 0	90.5	99.1	99.2	99.4	99.7	99.7	99.9		99,9	99.9	99.9	99.9	100.0		100.0	100.0
	96,5	99.1	99.7	79.4	99.7	99.7	99,4	199,7	99.9	99,9	77.9	99.9	100.0	100-0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_\_

USAF ETAC JULIA 0-14-5 (OL 1) PREVIOUS EDITIONS S' THIS FORM ARE OBSOLÉTE

DATA PROCESSING PRANCH USAF ETAC AIR VEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

5

KWAJALFIN MARSHALL IS/BUCHILZ 45-72

HAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥¾	≥ 5%	≥⅓	≥ 5/16	≥¼	٥
NO CEILING ≥ 20000	50.2	58.4		58.4	56.4 69.5	58.4	58.4	58.4	58.4	58.4	67.5	38.4	58.4	58.4 59.5	98.4	58.4
≥ 18000 ≥ 16000	69.6 70.3	70.6	70.0	70.8	70.6	70.6	49.9	70.0	69.9 70.6	70.6	69.9 70.6	70.5	70.6	70.0	70.0	69.9 70.6
≥ 14000 ≥ 12000	72.1	72.4	77.1	77.1	12.4	72.4	77.1	72.4	72.4	72.4	72.4	72.4	72.4	77.4	72.4	72.4
≥ 10000 ≥ 9000	51.5 82.3	82.8	82.8	81.0 32.5	61.9 62.5	81.9 82.8	81.9	81.9	81.9	81.9	82.8	42.5	91.9	61.9	81.9	#1.9 #2.8
≥ 8000 ≥ 7000	83.2 83.5	83,7 84,1	84.1	84.1	83.7 84.1	83.7	83.7	83.7 84.1	83.7	83.7	83.7 84.1	83.7 84.1	03.7	93.7 84.1	83.7 84.1	87.7 84.1
≥ 6000 ≥ 5000	83.8 84.5	85.1	25,1	84.3 85.1	85.1	84 e 3 85 e 1	85.1	84.3	84.3	84.3	85.1	84.3	84.3	84.7	84.3	89.1
≥ 4500 ≥ 4000	85.0 86.2	85.6	85.9	35.6 36.9	85.6	86.9	86.9	85.6	86.9	85.6 86.9	86.9	35.4	86.9	85.6	85.4	#5.6 86.9
≥ 3500 ≥ 3000	87.7	88.4	87.8		7,7	80.4	88.4	87.8 85.4	87.4	88.4	88.4	85.4	17.5 88.4	87.8	87.9 88.4	87.8
≥ 2500 ≥ 2000	91.9	92.9	93.0	89.1		93.0	93.1	93.1	93.1	93.1	93.1	33.1	93.1	93.1	93.1	93.1
≥ 1800 ≥ 1500	99.4	95.7	99.9	95.7	.,,,,	97.9	98.1	96.0	96.0	96.1	96.1	96.1	94.1	98.1	78.1	29.1
≥ 1200 ≥ 1000	96.2	98.8	98.6	99.2	93.9	98.9	99.6	49.4	99.1	99.6	99.1	99.6	99.4	99.1	99.1	99.6
≥ 900 ≥ 800	96.2	98.8	99.1	99.2	99.5	99.4	99.4	99.7	99.6	99.0	49.8	79.0 79.8	99.6	99.8	99.4	77.6
≥ 700 ≥ 600	90.2	98.8	99.1	99.3	99.5	99.5	99.7	99.5	99.7	99.8	99.6	79.8	99.9	99.9	99.0	99.9
≥ 500 ≥ 400	96.2		99.1	99.3	99.5	99.5	33.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	96.2	98.8	99.1	99.3	99.5	99.5	99.0	99,9	99.9	100.0		100.0	100.0	100.0		100.0
≥ 100 ≥ 0	90.2	78.8 98.8	99.1	99.3	99.5	99.5	79.8	,		100.0	100.0				100.0	

TOTAL NUMBER OF OBSERVATIONS....

2107

USAF ETAC ALL OL 14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

5

KWAJALFIN HARSHALL 13/BUCHULZ 44-7/

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0500

CEILING							VIS	IBILITY (STA	ATUTE MIL	ES)						ļ
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥1%	≥1¼	≥1	≥¾	≥%	≥ ⅓	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	63.2 71.8	63.3	63.3	03.3 71.9	63.3	63.3	63.3	63.3	63.3	43.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 18000 ≥ 16000	71.9	72.3	72.4 72.4	72.0	72.0	72.4	72.0	72.0	72.4	72.0 72.4	72.0	72.4	72.4	72.0	72.0	72.0
≥ 14000 ≥ 12000	74.9	75.0	75.1 79.9	75.1	75.1	75.1		75.1	75.1	75.1 79.9	75.1	75.1	75.1	75.1	75.1	75.1 79.9
≥ 10000 ≥ 9000	82.9	82.5	82.6 83.4	42.4 83.4	82.6 83.4	83.4	112.6 113.4	82,4	82.6	82.6	82.4	82.6 83.4	82.6 83.4	83.4	82.6	82.6
≥ 8000 ≥ 7000	83.4	83.9	83.9	84.7	83.7	84.7	84.7	83.9	83.9	83.9 84.7	84.7	84.7	83.7		83.9	84.7
≥ 6000 ≥ 5000	85.2	84.7	84.8	84.6	84.8	84.8	84.8	84.0	85.7	#4.8 #5.7	85.7	85.7	85.7	84.8	84.8	84.6 85.7
≥ 4500 ≥ 4000	86.6	85.8	85.8	87.1	87.1	87.1	85.0	87.1	85.8	87.1	87.1	87.1	87.1	85.8 87.1	87.1	95.8 87.1
≥ 3500 ≥ 3000	86.9 87.3	87.7	87.3		87.8	87.8	87.4	87.3	87.3	97.8	87.0	37.1	87.3	87.8	67.3 87.8	87.5
≥ 2500 ≥ 2000	94.7	\$8,5 93,5	93.5 4.59	93.5	93.5	94.5	93.6	93.6	93.6	93.6	93.0	93.6	93.6	97.6		93.6
≥ 1800 ≥ 1500 ≥ 1200	90.8	98.7	98.9	98.8	98.7	98.9	79.0	99.0	99.0	94.0	99.0	99.0	99.0		99.0	99.0
≥ 1000	97.3	99.5	99.6	99.6	99.7	99.7	99.6	99.6	99.8	99.9	99.9	99.9	99.	99.9	99.9	99.9
≥ 800 ≥ 700	97.3	99.5	99.6	99.4	79.7	99.7	99.6	99.6	99.0	99.0	99.9	99.0	79.9	99.9	99.9	97.9
≥ 600	57.3	99.5	99.7	99.7	99.8	99.8	99.4	99.9	99.4	100.0	100.0	100.0	100.0	100-0	100.0	100.0
≥ 400	97.3	99.3	79.7	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.3	99.3	99.7	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0		100.0	100.0
<u>&gt;</u> 0	97,3	99.5	99.7	90.7	99.8		99.9		99.9	100.0						

TOTAL NUMBER OF OBSERVATIONS\_

1942

LISAF ETAC AN AU 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

**1** 5

KWAJALETH MARSHALL IS/BUCHILZ 44-72

HINOM

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0400=0400

CEILING							VIS	IBILITY (ST.	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1%	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	59.9 59.0	69.7	60.1	40.1	1.00	00.1	69.2	69.2	69.2	60.1	40.1	60.1	60.1	60.1 69.2	60.1	60.1
≥ 18000 ≥ 16000	69.0	69.0	69.2	69.2	69.2	69.9	49.2	69.9	69.2	60.5	69.2	69.0	69.9	49.7	69.2	69.9
≥ 14000 ≥ 12000	72.7	72.9	72.8	72.9	72.9	72.9	72.9	72.9	72.9	77.2	72.9	77.2	77.2	77.2	72.9	77.2
≥ 10000	79.8 50.6	80.3 Bl.1	80.3	30°3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	#0.3	80.3 81.1	80.3	81.1	80,3
≥ 8000 ≥ 7000	91.4	82.0	82.0	82.0	81.7 HZ.0	81.7 117.0	81.7	\$1.7 \$2.1	82.1	91.7 Brai	81.7 32.1	82.1	32.1	82.1	82.1	81.7
≥ 5000 ≥ 5000	81.7	82,3	87.1	82.3	93.1	82.3 43.1	82.5	82,5	82.5 83.7	83.5	82.5 #3.2	82.5	82.5 83.2	82.5	82.5	#3.2
≥ 4500 ≥ 4000 ≥ 3500	83.0	84.4	84.5	93.5 84.5	64.5	61.5	84.6	83.6 84.6	83.6	83.6 84.6	83.6	#3.6 #4.6	84.6	83.6	84.6	84.6
≥ 3000	84.4 84.4	84.9 85.2 86.0	85.3 85.1	84.7	84.9	84.9 85.3	85.0 85.4	85.4 85.4	85.4	85.4	85.4	85.4	85.0	85.4	85.4	85.0 85.4
≥ 2000	90.7	91.9	91.9	92.0	92.0	92.0	94.8	92.1	92.1 94.8	86.2 92.1	92.1 94.9	92.1	92.1	1.08	92.1	72.1
≥ 1500 ≥ 1200	95.8	98.6		93 R		98.8	78.9	98.9	99.5	99.6	99.0	99.0	94.9	99.0	94.9	97.0
≥ 1000	96.1 96.1	99.3	99.6		97.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	39.9	99.9	99.9	99.9
≥ 800	96.1	99.3	99.6	99.8	49.1		99.9	99.9	99.9	99.9	99.9	99.4	99.9	90.9	99.9	99.9
≥ 600	96.1	99.3			99.6	94.0	99.9	99,9	99.9	99.9	99.9	99.9	49.0 100.0	99.9	49.9	99.0
≥ 400	96.1	99.3	99.6		99.8			99.9	99.9	100.0	100.0	100.0	100.0	100 -0	100.0	100.0
≥ 200	96.1	99.3	99.4	99.0	99.8	99.8	99.9	97.9	99,9	100.0	100.0	100.0		100.0	100.0	100.0
≥ 0	96.1	99.3	99.6			5.3 5.3	99.0	99,9		100.0			****		100.C	

TOTAL NUMBER OF OBSERVATIONS\_\_\_

1932

USAF ETAC NIL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAL AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

KNAJALEIN MARSHALL IS/RUCHALZ 44-72

J'44

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING							VIS	IBILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥11/2	≥1¼	≥ì	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	51.7	52.0	52.0	\$2.0 63.6	52.0 63.6	52.0 63.0	92.0	\$2.0 63.6	52.0 63.6	52.0 63.6	52.0	52.0	52.0 63.6			
≥ 18000 ≥ 16000	63.8	64.1	64.1	63.8 64.1	04.1	63.8	63.6	8,84	63.8	63.8	64.1	63.5	63.4	63.8	64.1	64.1
≥ 14000 ≥ 12000	56.3 71.3	71.8	66.7 71.8	44.7 71.8	71.8	66 e 7	66.7	71.5	71.8	66.7 71.8	66.7	66. i	66.7	66.7 71.8	71.8	66.7
≥ 10000 ≥ 9000	75.8	76,4		76.4	76.4	71.0	76.4	70.4	76.4	74.4	75.4	76.4	76.4	76.4	76.4	76.4
≥ 8000 ≥ 7000	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7 78.2	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 6000 ≥ 5000	77.8	78.4	78.4 79.9	78.4	78.4	78.4	78.4	78.4	78.4	75.4		78.4	78.4		78.4	78.4
≥ 4500 ≥ 4000	79.B	82.0		80.4 92.0	82.0	80.5	82.0	82.0	80.5	80.5 82.0	80.3 82.0	80.5	82.0			80.5
≥ 3500 ≥ 3000	81.5 82.3	#3.7	52.3 83.2	82.7 83.2	82.3	83.3	83.3	#2.3 #3.3	82.3		82.3	82.7	82.3 83.3	42.3 83.3	62.3 83.3	83.3
≥ 2500 ≥ 2000	83.2	90.7	90.8	90.6		94 • 1 90 • 8	90.4	90.8	99.8			90.8	90.7	90.4	90.9	
≥ 1800 ≥ 1500	92.5		94.5	94.2	99.0	94.3	99.0	99.0	94.3	94.3	94.3	94.3	79.1	94.4	94.4	99.1
≥ 1200 ≥ 1000	90.4 90.5		99.5	99.5	99.3	99.0	99.6	99.8	99.6	99.8	99.6		99.9	99.7	99.9	99.7
≥ 900 ≥ 800	76.5	99.2	99.5	99.6	99.8	99.8	99.8		99.8	99.0	99.8 99.8	19.8	99.9	97.9	99.4	99.5
≥ 700 ≥ 600	76.5	99.2	99.5	99.6	99.5	99.8	99.8	97.8	99.8	99.8	99.8	99.0	79.9	99.9	99.9	99,9
≥ 500 ≥ 400	90.5	99.2	99.5	99.6	99.8	99.8	99.8	99.5	99.6	99.9	99.9	99.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	46.5	99.7	99.5	99.6	99.5	99.8	99.8	99.8	99.8	40.0	99.9	99.9	100.0		100.0	100.0
≥ 100 ≥ 0	96.5	99.2	99.3	99.6	99.5	99.8	99.8		99.5	90.0	99.9		100. <b>0</b>		100.0	100.0

TOTAL NUMBER OF OBSERVATIONS...

1942

USAF ETAC MA 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE CASQUETE

DATA PROCESSING BRANCH USAF ETAC ATR MEATHER SERVICE/MAC

### **CEILING VERSUS VISIBILITY**

**(** 5

KWAJSLEIN MARSHALL IS/RUCHDLZ 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

VISIBILITY (STATUTE MILES)															
≥10	≥6	≥5	≥4	≥3	≥2%	≥2	21%	≥1¼	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
53.7	53.8 67.7	53.E	33.8 67.8	33.8 47.8		93.8	53.8 67.8	53.8	53.8 67.8	93.8 67.8	53.8 67.8	53.4	53.8 67.8	93.8 67.8	53.8
67.8	08.2	68.1	68.3	68.1	68.1	68.1	68.3	68.1	68.3	68.1	68.1	68.1	68.1	68.1	68.1
74.1	74.4	74.5	74.5	70.3	70.3	70.3	70,3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
80.4	80.7	8.00	80.B	80.9	80.9	80.9	80.9	80.9	81.0	79.9	81.0	91.0	81.0	79.9	81.0
E 2 . 1	87.6	87.7	82.7	12.7	82.7	82.7	62.7	82.7	82.8	52.0	32.5	82.	82.8	72.0	82.8
83.5	84.0	88.1	94.1	94.1	64.1	84.1	84.1	84.1	84.2	84.2	24.7	84.2	NA	84.2	84.2
85.4	85.8	85.9	85 9	86.0	86.0	80.0	26.0	80.0	86.0	86.0	96.0	86.0	86.0	86.0	
86.0	86.5	80.6	86.0	80.7	36.7	16.7	84.7	86.7	84.7	86.7	80.7	86.7	80.7	80.7	86.7
91.5	94.6	92.5	97.6	92.7	92.7	92.7	02.7	92.7	92.8	92.8	92.8	92.8	92.8	97.1	97.8
95.7	98.1	97.6	97.9	98.1	98.1	94.2	99.3	98.2	99.4	98.2	98.7	99.4	98.3	98.3	98.3
95.8	98.3	98.8	99.0	99.4	99.5	99.6	99.6	99.6	79.7	99.7	99.7	99.8	99.8	99.8	99.8
95.8	98.3	98.8	99.0	99.3	99.5	99.4	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9
45.6	98.3	93.9	99.1	99.3	99.0	199.7	99.7	99.8	99,9	99,9	99.9	100.0	100.0	100.0	100.0
95.8	98,3	98.9	99.1	19.5	99.0	99.7	99.7	99.8	99.9	97.7	99.4	100.0	100.0	100.0	100.0
95.8	98.3	98.4	99.1	99.5	99.0	39.7	97,7	99.8	99.9	99.9		24004			
	53.7 53.7 53.7 53.7 53.7 53.4 53.4 53.4 53.4 53.4 53.4 53.4 53.4	53.7 53.8 53.7 53.8 53.7 53.8 67.7 568.0 67.8 68.0 70.2 70.2 70.3 70.7 70.3 70.7 70.3 80.7 68.3 82.6 87.9 84.4 88.4 85.8 88.4 85.8 88.4 85.8 88.4 85.8 88.4 85.8 88.4 85.8 88.5 98.3 98.3 98.3 95.8 98.3 95.8 98.3 95.8 98.3 95.8 98.3 95.8 98.3 95.8 98.3 95.8 98.3 95.8 98.3 95.8 98.3 95.8 98.3 95.8 98.3 95.8 98.3 95.8 98.3 95.8 98.3 95.8 98.3 95.8 98.3 95.8 98.3	53.7 53.8 53.6 657.5 67.8 67.8 67.7 67.8 68.0 68.3 70.1 70.2 70.3 70.1 70.1 70.2 70.3 70.1 70.1 70.2 70.3 70.1 70.2 70.3 70.1 70.2 70.3 70.3 70.1 70.2 70.3 70.3 70.3 70.3 70.3 70.3 70.3 70.3	53.7 53.8 53.8 33.8 67.8 67.5 67.7 67.8 67.8 68.0 68.1 68.3 70.3 70.3 70.1 70.1 70.1 70.2 70.3 70.3 70.3 70.3 70.3 70.3 70.3 70.3	53.7 53.8 53.8 53.8 53.8 53.8 67.2 67.8 67.7 67.8 67.2 67.8 67.8 67.8 68.0 68.1 68.1 68.1 68.3 68.3 68.3 70.2 70.3 70.3 70.3 70.7 70.1 74.4 74.5 74.5 74.5 74.5 74.5 74.5 74.5	53.7 53.8 53.8 53.8 53.8 53.8 53.8 53.8 57.5 67.5 67.7 67.8 67.8 67.8 67.8 67.8 67.8 67.8	53.7 53.8 53.C 53.8 53.8 53.8 53.8 53.8 53.8 53.8 53.8	53.7 53.8 53.6 33.8 53.8 53.8 53.8 53.8 53.8 53.8 53.8	53.7 53.8 53.8 33.8 53.8 53.8 53.8 53.8 53.8	53.7 53.8 53.6 30.8 53.8 53.8 53.8 53.8 53.8 53.8 53.8 57.2 67.7 67.8 67.8 67.8 67.8 67.8 67.8 67.8	53.7 53.8 53.5 53.8 53.8 53.8 53.8 53.8 53.8	53.7 53.8 53.6 53.8 53.8 53.8 53.8 53.8 53.8 53.8 53.8	53.7 53.8 53.9 53.8 53.8 53.8 53.8 53.8 53.8 53.8 53.8	53.7 53.8 53.6 53.8 53.8 53.8 53.8 53.8 53.8 53.8 53.8	53.7 53.8 53.6 53.6 53.8 53.8 53.8 53.8 53.8 53.8 53.8 53.8

TOTAL NUMBER OF OBSERVATIONS...

1432

USAF ETAC DE 40 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC IF WEATHER SERVICE/HAC

### CEILING VERSUS VISIBILITY

() 8

KHAJALEIN MARSHALL IS/BUCHILZ 44-72

FILE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CERNG							VIS	IBILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2%	≥2	21%	≥1¼	≥١	≥%	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	34.S 58.6	54.9 68.7	54.9 58.8		54.0	54.9	54.9	54.9 88.5	54.9	54.9	54.9	94.9 68.8	54.9 68.0	54.7	54.9	54.9 65.8
≥ 18000 ≥ 16000	69.2	69.8	69.4	69.9		69.5	49.5	69.5	69.5	67.5	69.9	49.9	69.5	69.9	1 1 1 1	69.9
≥ 14000 ≥ 12000	74.0	76.8	72.0	72.0 76.9	76,9	78.0	72.0	72.0	72.0	72.0	77.0	72.0	72.0	77.0	77.0	72.0
≥ 10009 ≥ 9000	87.0 80.8	82.1	82.1	81.2	81.2	81.2	81.2	81.2	81.2	81.3		82.7	82.3	82.3	82.3	51.3
≥ 8000 ≥ 7000	83.U	\$3.3 83.7	83.4 83.7	83.8	77.	83.4	83.4	83.4	83.4	83.9	83.9	83.9	83.5	83.5	83.5	83.9
≥ 6000 ≥ 5000 ≥ 4500	55.3 55.5	85.9	66.1	86.1	84.4 86.0 86.1	86.0	86.1	86.0 86.1	86.0	84.6 86.1	86.1	86.1	86.1	85.1	84.0	86.1 86.3
≥ 4000	80.3	86.8 87.1	86.9	_ · · • z	87.2	86.9	36.9	86.9	86.9	87.0	87.0	87.0 87.3	87.0	87.0	87.0	67.0 67.3
≥ 3000	57.1 53.1	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.0		17.d	87.8	87.8		87.8
≥ 2000	92.5	93.4	73.5	93.5	93.0	93.6 56.0	90.1	93.7	90.1	96.3	اد ما	93.0	93.8	93.8		22.1
≥ 1500	96.2	97.9	98.1	98.1	98.2	78.2	78.4	99.4	99.4	90.6	99.6	427	78.6	98.6		140 (
≥ 1000	97.0	99.1	99.2	99.3	99.4	99.4	39.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	79.4	99.9
≥ 800	97.0	99.1	99.2	99.3	99.4	99.4	79.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	79.9	99.9
≥ 500	97.0	99.1	99.2	99.3	99.4	99.4	99.7	99.8	39.8	99.9	100.0	99.9	100.0	100.0	100.0	97.9 100.0
≥ 400	97.0	99.1	99.2	99.3	99.4	97.4	99.7	99.8	79.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.0		99.2		99.4	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0		100.0
≥ 0	97.0	99,1	99.2	99.3	99.4	99.4	99,7	99,8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1942

USAF ETAC AN 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE DISSOLETE

1

DATA PRICESSING BRANCH USAF ETAF ATR WEATHER SERVICE/MAC

### **CEILING VERSUS VISIBILITY**

18 C

40004 KNAJALEIM MARSHALL IS/BUCHULT 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)				-		
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥¾	≥%	≥ %	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	54.0	54.7	54.7	54.7 68.9	54.7	54.7	54.7	94.7 67.0	54.7	54.7	54.7	54.7	54.7	54.7 69.0	54.7	54.7
≥ 18000 ≥ 16000	69.9 70.4	70.5	70.5	44. 6.4	67.0	70.5	70.5	70.5	69.7	70.5	39.7	70.5	70.7	70.7	69.7	69.7
≥ 14000 ≥ 12000	72.5	72.7	72.9	72.9	72.9	72.9	73.0	73.0 77.0	73.0	73.0	77.5	73.0	73.0	73.0	73.0	73.0
≥ 10000	F1.6	82.1	01.3	81.3	87.1	81.3 82.1	81.4	81.4	81.4 82.2	81.4	12.2	82.2	81.4	81.4	81.4	82.2
≥ 8000 ≥ 7000	82.9	93.3	6.4.9 9.49	83.7	83.3	53.7 27.9	83.4	83.4 83.0	83.4	83.4	83.4 83.9	83.4	83.4	83.4	H3.9	
≥ 5000	84.0 85.0	85.7	84.5		85.4	34.5 53.8	85.0	84.6	84.6	84.6	85.8	8 . s	84.6 85.8	85.8	84.6	85.8
≥ 4500 ≥ 4000	85.9	85.6	86.7	86.7	96.0	86.7	86.0	86.7	86.7	86.0	86.7	86.0 86.7	84.7	95.07	80.7	Boar
≥ 3500 ≥ 3000 ≥ 2500	60.2 60.8	86.9	87.0 37.0	87.7	47.0 87.7	67.0 57.7	87.7	37.1 37.7	87.1	87.7	87.7	87.7	87.7	87.1 87.7	87.1 87.7	87.7
≥ 2500 ≥ 2000 ≥ 1800	87.5 62.3	38.4 93.6 95.5	88.5 93.6		93.7	93.7	93.7	88.6 93.7 95.7	93.7	93.7	93.7	93.7	88.6	\$8.6 93.7	93.7	97.7
≥ 1500	96.1	98.1	78.1	95.6 98.2 99.5	95.6	98.2	95.7	98.3 99.6	98.7	95.7 96.3 59.7	95.7	95.7 98.3	95.7 98.3	97.7	99.7	96.1
≥ 1000	97.2	99.4	99.5	99.0	99.7	99.7	99.8	99.7	99.7	99.8	99.4	99.8	99.	99.9	99.8	99.9
≥ 800	97.2	99.4	99.5	99.7 99.7	99.3	99.6	99.8	99.8	79.8	99.0	99.0	2 : *	99.9	99.9	99.9	99.9
≥ 600	97.2	99.4		99.7	99.8	99.8	99.	99 S	99.8	99.9 100.0	99.5	99.9	99.9	99.9	99.9 100.0	99.9
≥ 400	97.2		99.6	99.7	99.8	99.8	99.9	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.2	99.4	99,6	99.7	99.8	99.8	99.9	99.9	99,9		11111	100.0	100.0	100-0	100.0	100.0
≥ 0	47.2	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99,9	100.0			****	100 0		~ ~ ~ ~ ~ · · ·

TOTAL NUMBER OF OBSERVATIONS 1931

USAF ETAC  $\frac{600M}{MH}$  0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

T. So DATA PRECESSING BRANCH CEILING VERSUS VISIBILITY USAF ETAC AIR WEATHER SERVICE/HAC 406214 KWAJ ILETH HARSHALL IS/RUCHILY 44-72 reb 1 PERCENTAGE FREQUENCY OF OCCURRENCE 1600-2000 (FROM HOURLY OBSERVATIONS) VISIBILITY (STATUTE MILES) CELLING (FELT) > 10 ≥2% >1 ≥ 5/16 >116 ≥1% 55.6 55.6 55.6 55.6 55.6 66.1 68.1 68.2 68.7 68.2 55.6 55.6 55.0 60.2 60.2 60.2 60.9 60.9 60.9 69.8 69.8 69.8 33.0 59.6 95.0 55.6 68.2 63.2 NO LEILING 55.4 35.6 55.6 55.4 ≥ 20000 30.1 48.1 6.0 . 2 68.2 68.8 48.9 68.9 68.9 68.9 68.7 68.9 68.6 69.7 69.7 69.7 69.7 69.8 69.8 69.8 69.8 72.5 72.5 72.5 72.5 72.6 72.6 72.6 72.6 76.9 76.9 76.9 76.9 77.0 77.0 77.0 77.0 ≥ 18000 ≥ 16000 68.9 69.8 £ 68.9 3.84 69.3 69.8 72.6 72.6 77.0 77.0 69.7 69.7 72.6 76.9 ≥ 14000 72.0 76.3 ≥ 12000 ≥ 9000 ≥ 8000 ≥ 7000 ≥ 6000 ≥ 5000 ≥ 4500 ≥ 4000 ≥ 3500 ≥ 3000 ≥ 2500 ≥ 2000 

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 1800 ≥ 1800 ≥ 1500 96.5 ≥ 1200 ≥ 1000 97.2 98.9 57.2 98. ≥ 900 97.2 94. 700 600 97. 2 98.9 500 400 300 200 47.2 98.9 99.3 99.9 99.9 99.9 99.9 99.4 99.9 19.4100.0100.0100.0 99. 99.5 100 99.8 99.5 1943 TOTAL NUMBER OF OBSERVATIONS USAF ETAC ALL O-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLUTE

DATA PROCESSING ARANCH USAF ETAC AIR WEATHER SEPVICE/HAC

### CEILING VERSUS VISIBILITY

5

KHAJALEIN HARSHALL ISANICHULL 44-72

MONTH

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING							VIS	SIBILITY (ST	ATUTE MIL	ES)						İ
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	<b>خان</b> ے	≥14	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	60.4 71.4	60.7 71.6	60.7 71.6	60.7	60.7	60.7	00.7	60.7	60.7	60.7	60.7 71.7	60.7	60.7	60.7	60.7	60.7
≥ 18000 ≥ 14000	71.6	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.4	71.9	71.0	71.0	71.9
≥ 14000 ≥ 12000	74.0	74.2	74.2	74.2	74.3	74.3	74.3	74.7	74.3	74.3	74.3	74.3	79.2	74.3	74.3	74.3
≥ 10000	82.1 83.2	82.4		82.5	82.5	82.5 81.6		82.5 83.6	82.5 83.6	62.5 83.6	82.5	82.5	87.6	83.6		82.5
≥ 8000 ≥ 7000	53.5	83.9	34.0	34.7			84.1	84.1	84.1	84.1	84.1	84.1	84.1		84.1	84.7
≥ 5000 ≥ 5000	84.7		86.1	85.1 86.1	85.2	85.2	86.2	85.2	85.2	84.2	86.2	85.7	85.2	85.2	85.2	85.2
≥ 4500 ≥ 4000	65.8	86.9	AT.U		47.1	30.3	80.3	86.3	80.3	80.3	87.1	96.1 87.1	30.3	87.1	87.1	86.3
≥ 3500 ≥ 3000	57.3	87.3 87.8	87.8	87.4 87.9	17.5	87.9	87.5 67.9	27.9	87.5	87.9	A7.9	87.9	67.9	47.9		
≥ 2500 ≥ 2000	87.5	97.9 <u>9</u> 2.7	97.7	92.8		97.9			92.9	92.9				92.9		
≥ 1800 ≥ 1500	95.9				98.3	95.3	98.2	95.3	98.3	98.2	95.3	98.2	95.3	95.3	78.2	
≥ 1200	95.5	98,6 99,1 99,1	99.1	99.6		99.7	99.4	99.4	99.4	99.4	99.8	99,4	99.4	99.4	99.8	99.8
≥ 900 ≥ 800 > 700	90.5	99.1		99.6	99.8	99.8	99.4	99.9	99.9	99.8		99.9		99.8	99.9	99,9
≥ 700 ≥ 600 ≥ 500	96.5	99.1	99.3	99.6	99,0	99.8	99,9	90.0	1. * 1	100.0	100.0			100.0 100.0	100.0	100.0
≥ 400	70.3	99.1	99.3	99.6	99.8		79.9	99.9	99.7	100.0		100.0	100.0	100.0	100.0	100.0
≥ 200	70.3	99.1	99.3	99.6	99.8		99.9	99.9	99,9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 0	90.5	99.1	99.3	99.5	1 1 1 7 7	- n					100.0					100.0

TOTAL NUMBER OF OBSERVATIONS 1927

USAF ETAC WE 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE DESCRETE

DATA PROCESSING BRANCH USAF ETAC AIR HEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

KHAJALFIN MARSHALL ISZBUCHOLZ 44-66,49-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0500

CEILING							VIS	IBILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥¥4	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	58.4 67.5	55.5	59.5	54.5	56.5	58.5	50.5	67.0	58.5	58.5	58.5	58.5	58.5	67.6	58.5	\$5.5 67.6
≥ 18000 ≥ 16000	65.6	67.E	68.8		67.8	67.8	67.8	67.8	67.4	67.8	68.8	68.0	67.8	67.8	67.8	67.8
≥ 14000 ≥ 12000	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 10000 ≥ 9000	78.5	77.0	79.1 80.2	79.1 30.2	79.1	79.1 80.2	19.1	79.1	79.1	79.1	80.2	79.1	79.1	77.1	79.1	
≥ 8000 ≥ 7000	71.4	82.0	82.1	82.1	81.6	81.6	82.1	87.1	91.6	81.6	81.6 82.i	\$1.6 82.1	72.1	h2.1	82.1	82.1
≥ 5000 ≥ 5000	33.3	84.0		84.2	12.5	82.5	02.5	34.7	82.5	82.5 84.2	02.5 84.2	82.5 84.2	92.5	64.7	82.5	84.2
≥ 4500 ≥ 4000	84.7				85.6	85.6			84.5		84.5	84.5				84.5
≥ 3500 ≥ 3000	35.8	85.9	30.2	86.8		36 - 8		86.8	86.0		86.8	86.2	86.2	84.8	84.8	86.7
≥ 2500 ≥ 2000 ≥ 1800	30.4 90.6		91.6	87.3 91.7 94.7	97.7	87.3 91.7	97.3	91.7	87.3 91.7	87.3 91.7	87.3 71.7	97.3 91.7	21.7	91.7	91.7	91.7
≥ 1800 ≥ 1500 ≥ 1200	94.5	96.7	97,3	97.5	97.5	97.5	94.2		74.2	97.6	97.6	94.2 97.6 98.9	94.2	97.6	94.2	97.4
≥ 1000	94.6	98.1	98.9	99.2	99.4	97.4	99.0	94.6	99.6	99.6	99.6	99.6			99.6	99.6
≥ 800	94.0	48.1	98.9	99.3	99.4	99.4	79.6	99.6	79.6	99.7	99.7	99.7	99.7		99.7	99.7
≥ 600	94.0	98.1	93.9	99.2	99.4	99.5	99.6	99.6	99.6	M. N. 70	99.7	99.7	79.7	99.7	99.7	99.7
≥ 400	94.0	98.1	98.9	49.3	99.4	99.5		99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	44.0	98.1	98.9	99.3	99.4	99.5	79,7	99.7	99.7	97.9	99,9	99.9	100.0	100.0	100.0	100.0
≥ 0	94.6		94,9			- 40					59.9		100.0	[		100.0

TOTAL NUMBER OF OBSERVATIONS 2007

USAF ETAC  $^{\text{FORM}}_{\text{JUL 64}} = 0.14-5$  (OL 1) previous epitions of this form are obta inte

DATA PROCESSING ARANCH USAF ETAC AIR WEATHER SEPVICE/NAC

### CEILING VERSUS VISIBILITY

40604

15

KNAJALETH HARSHALL IS/AUCHILZ 44-46,49-72

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						1
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥?	≥1%	≥1¼	≥1	≥ ¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	55.U	55.0	55.0	\$5.0 64.4	95.0	39.0 64.4	55.0	55.0 64.4	55.0	55.0 64.4	55.0	55.0 64.4	55.0	55.0	55.0 64.4	5%.0
≥ 18000 ≥ 16000	64.3	65.4		64.4	44.4 65.4	64.4	65.4	64.4	64.4	65.4	64.4	65.4	65.4	64.4	64.4	65.4
≥ 14000 ≥ 12000	67.1 70.9	67.3	67.4	67.4	97.4	71.3	07.4	67,4	67.4	67.4	67.4	47.4	07.4	67.4	67.4	67.4
≥ 10000 ≥ 9000	75.1 17.1	75.4	75.3		75.5	77,7	75.5	75.5	75.5	75.5	75.5	75.5	75.9	75.5	75.5	75.5 77.7
≥ 8000 ≥ 7000	78.3	79.0	79.1	79.6	79.4	79.6	79.6	79.1	79.6	79.1 79.6	79.4	79.1	79.1	79.6	79.4	
≥ 6000 ≥ 5000	79.3 50.9	79,9		80.0 81.7	81.7	80.0	80.0	80,0	81.7	80.0 81.7	80.0	80.0	80.0	40.e	80.0	80.0
≥ 4500 ≥ 4000	61.7	02,3 83,3	87.4	83.5	07.5 82.5	37.5	82.5	82,5 83,5	83.5	82.5	82.5	82.5	82.5	83.5	82.5	82,5
≥ 3500 ≥ 3000	13.2	84.9		44.2 85.2	84.2	85.2	84.2	85.7	85.2	84.2	85.2	85.2	84.2	84.7	5.2B	84.2
≥ 2500 ≥ 2000	84.8	85.8	90,1	90.2	90.2	80.1	90.3	86,1	90.3	90.3	90.3	90.1	70.3	90.3	70.3	90.3
≥ 1800 ≥ 1500	90.5	95.9		93.1	96.9	96.0	93.3	93.3	97.0	93.3	97.0	93.3	77.0	93.3	43.3	93.3
≥ 1200 ≥ 1000	43.9	97.4			98.8	99.8	99.4	79.4	98.9	99.0	99.5	99.C	99.9	99.0	99.0	99.5
≥ 900 ≥ 800	93.9	97.6	98.4	98.9	99.3	99.3	99.4	29.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6
≥ 700 ≥ 600	73.9		98.6	98.9	99.3	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.6	99.6	99.7	99.7
≥ 500 ≥ 400	94.0	97.7	94.4 94.4		99.5	99.5	99.6	99.9	99.9	99.7	99.9	99.0	100.0	100.0	100.0	100.0
≥ 300 > 200	94.0		98.6			99.5	99.9	99.9	99.9				100.0		100.0	100.0
≥ 100 ≥ 0	94.0 94.0	97.7 97.7	98.4 98.4		99.5	99.5	99.9			100.0						

TOTAL NUMBER OF OBSERVATIONS

7000

USAF ETAC JULIA 0-14-5 (OL 1) MENIOUS EDITIONS OF THIS FORM ARE DISSOLETE

DATA PROCESSING PRANCH USAF ETAC AIR WEATHER SERVICE/HAC

### CEILING VERSUS VISIBILITY

KWAJALTIN MARSHALL IS/BUCHULZ 44-46,49-72 YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							ViS	BILITY (ST.	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	21%	≥1¼	≥1	≥%	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	46.4	46.7	46.7 59.0	46.7	40.7	46.7	46.7	46.7	÷6.7	46.7	46.7	46.7	46.7	59.0	46.7	46.7
≥ 18000 ≥ 16000	50.7	59,0	59.1	39.1 60.1	50.1	59.1	59.1	50.1	59.1	59.1	59.1	50.1	59.1	59.1 60.1	59.1	59.1
≥ 14000 ≥ 12000	62.7	68.7	68.3	63.1	68.3	68.3	63.1	63.1	63.1	68.3	63.1	43.1	63.1	68.7	63.1	68.1
≥ 10000	73.6	74.1			74.2			74.2	74.2	74.2	-12.12	74.2	74.2	74.2	74.2	
≥ 8000 ≥ 7000	77.5	77.9	77.6	78 4	78.6	78.0	76.0	78.0	78.0	78.6	78.0	78.0	71.0	78.0	70.0	78.6
≥ 6000 ≥ 5000	78.2	78.9	80.6	30.6	19.1 80.6	79.1		80.6	79.1	79.1 80.6		79.1	77.1	79.1 80.6	79.1	
≥ 4500 ≥ 4000	10.4	80.8 82.4	82.7	81.0 82.7			81.0	81.0	82.7	81.0	82.7	82.7	12.7	81.0	81.0	82.7
≥ 3500 ≥ 3000 ≥ 2500	81.7 82.6	83.0	214.4	24.4	83.3 84.4	89.3	84.4	61.3	83.3	84.4	83.3	#3.3 #4.4	83.3	83.1	83.3	87.3 84.4
≥ 2000 ≥ 1800	#7.8 47.8	85.4		90.3	90.3	65.7 90.3	90.4	90.4	90.4	90.4	90.4	90.4	70.4	90.4	90.4	90.4
≥ 1500 ≥ 1200	93.1	92.2 96.0 97.7	98.6	92.6 96.6 98.4	96.7	96.7	94.5	96.0	92.7 96.8 98.6	92.7 96.8 98.7	97.7 96.8 98.7	95.7		96.8	96.8	
≥ 1000	94.5	94.2	79.1	99.1	99.3		99.4	99.4	99.4	99.6	99.6	98.7 99.6		98.7 99.6 99.6	98.7	98.7 99.6 99.6
≥ 800	94.5	98.2	99.1	99.2	99.4	99.4	99.5	39.6	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 600	94.5	98.2	99.1	99.3	99.5	99.5	79.7	99.7	99.7	97.6	99,9	99.9	99.9	99.9	99.9	99,9
≥ 400	94.5	96.3	99.1	99.3	1			99.8	99.8	97.9	100.0	100.0	100.0		100.0	100.0
≥ 200	94.5	98.3	99.1		99.5			99.8		99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.5			99.3				99.8						100.0		

TOTAL NUMBER OF OBSERVATIONS.....

2012

USAF ETAC ALLOW 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PRICESSING PRANCH USAF ETAC AIR HEATHER SERVICE/MAC

## **CEILING VERSUS VISIBILITY**

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C.

WALALTIN HARSHALL IS/HUCHTILZ 44-46,49-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0400-1100

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥۱	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	46.2 59.1	46.3	44.3 59.2	46.3 59.7	40.3	46.3 59.2	40.3 39.2	39.2	40.3 59.2	40.3 59.2	46.3 59.2	40.3	46.3	46.3	46.3	46.3 59.2
≥ 18000 ≥ 16000	59.4	59.5	59.5	59.5 61.0	59.5	59.3 61.0	59.5	59.5	59.5	59.5	59.5	\$9.5 61.0	59.5	57.5	59.5 41.0	59.5
≥ 14000 ≥ 12000	63.5 69.5	63.6	7 7 7 3	~	63.6	67.6	63.6	69.8	69.8	63.6	69.8	49.6	63.6	69.8	6.60	69.8
≥ 10000 ≥ 9000	75.6	76.0	76.0	76.0 77.8	76.0	76.G	76.0	70.0	76.0	76.0 77.8	76.0	76.0	76.0	74.0	76.0	76.0
≥ 8000 ≥ 7000	78.9	79.4 30.1	79.5 80.2		7V.5	79.5 80.8	79.5	79.5	77.5 80.2	79.5 80.2	79.5	77.5	79.5	79.9 80.2	79.5	79.5
≥ 6000 ≥ 5000	80.4 82.6	80,9	81.0	a3.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0 83.3	83.7	81.0	81.0	83.3
≥ 4500 ≥ 4000	92.V	85.0		85.7	83.6	83.6 85.2	85.2	93.0 85.2	83,6	83.6 83.7	#3.6 #5.2	83.6 85.2	85.2	93.6	83.6 85.2	83.6 85.2
≥ 3500 ≥ 3000	84.3	85,1	89.3 84.5	85.3		85.3 86.5	85.3	85,3	85.3	85.3	85.3 86.5	85.3	85.3	85.3	85.3	85.3
≥ 2500 ≥ 2000	90.0	91.6		41.9		91.0	92.0	97.6	92.0	92.0	57.6 92.0	97.0		47.4	92.1	92.1
≥ 1800 ≥ 1500	91.0	96.7	94.0	94.1 97.2	97.3	94.2	94.4	94.4	94.4	94.4	97.6	94.4	94.4		97.6	
≥ 1200 ≥ 1000	74.0 94.8	97.6		98.7	98.3	98.3	98.6	98.6	98.6	98.7	49.3	98.7	98.7	90.7	96.7	98.7
≥ 900 ≥ 800	94.5	98.7		98.9	44.4	90.9	99.2	99.2	99.2	99.5	99.5	99.3		97.4	99.4	99.7
≥ 700 ≥ 600	94.9	98.2 98.2	93.8		99.2	99.1	99.5	99.5	99.5	99.6	99.7	99.4	49.8	99.7	99.7	99.8
≥ 500 ≥ 400	94.9	96.2	98.9	99.0	99.3	99.3	99.4	99.7	99.7	99.8	99.8 99.8	99.8 99.8	100.0	100.0		100.0
≥ 300 ≥ 200	74.9	95.2	98.9	99.0	99.3	99.3	99.6	99,7	99.7	99.8	39.6	99.4		100.0	1 - 1	100.0
≥ 100 ≥ 0	94.9		98.9		99.3	99.3	99.8	99.7	99.7	99.8		4	100.0	100-0	100.0	100.4

TOTAL NUMBER OF OBSERVATIONS

2012

USAF ETAC  $^{\text{FORM}}_{\text{J44-64}} = 0.14.5 \, (OL.1)$  mevious editions of this form are obsolete

DATA PROCESSING PRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

**3 6 1** 

KHAJALEIN MARSHALL IS/BUCHOLZ 44-46,49-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1⅓	≥1¼	≥1	≥¼	≥%	≥%	≥ 5/16	≥4	≥0
NO CEILING ≥ 20000	43.6	45.8	46.8	46.0	40.3	40.8		46.8	44.8	40.8	46.8 51.9	45.6	46.8	46.8	46.0	40.8
≥ 18000 ≥ 16000	51.9 52.5	52.8	62.2	62.2	62.2	62.2	62.2	62.2 62.8	62.2	62.2 62.8	62.2	62.2	62.2	62.8	62.8	62.2
≥ 14000 ≥ 12000	65.1 71.0	65.4 71.6	69,4 71.6		45.4	71.6	71.6	65.4	71.6	65.4 71.6	65.4	65.4 71.6	471.6	05.4 71.6	65.4	65.4
≥ 10000 ≥ 9000	76.0	77.2	77.2	77.2	77.7	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 8000 ≥ 7000	79.5	90.4 61.1	60,4	80.4 81.1	80.4	80.4	80.4 81.1	80.4 81.1	80.4	80.4	60.4	80.4	80.4 81.1	80.4	20.4	80.4
≥ 5000 ≥ 5000	41.0 52.7	83.6	02.0 0.58		82.0	83.0	82.0	62.0	83.6	82.0	87.0 83.6	82.0	0.SB	87.0 87.6	82.0 83.0	0.58
≥ 4500 ≥ 4000	62.9 84.0	83.8 85.3	83.8	83.8 85.3	83.8 85.3	# 7 . T	85.3	\$3.8 \$5.3	83.8	85.3	83.8	#3.8 #5.1	83.3	83.8 85.3	89.68	83.9
≥ 3500 ≥ 3000	84.3	85.6	85.6 86.8	1,7	80.8	86.8	85.6	85.6 86.8	85.6	85.6	85.6 84.5	85.4	85.6	85.6 85.8	85.6	85.6
≥ 2500 ≥ 2000	90.3	87.8 92.2	87.9	87.9	87.9	87.9	87.9	87.9	92.6	87.9	87.9 92.6	92.6	97.9	87.9 92.6	97.9	
≥ 1800 ≥ 1500	92.2 94.1	94,4	94.8	94.9	94.9	94.9			95.0	95.0	75.0 97.5	95.0	95.0 97.5	95.0	95.0	95.0
≥ 1200 ≥ 1000	94.0	97.5	98.0 98.4		98.4	98.4	98.6	98.6	99.2	98.6	99.0	98.0	90.5	90.0	98.4	98.6
≥ 900 ≥ 800	75.0	97,9	98.4 98.5		99.0	99.0	99.2	99,2	99.6	99.2	99.2	99.2	99.3	99.3	99.7	99.3
≥ 700 ≥ 600	95.0	97.9 97.9	98.5	98.6	99.1	99.1	99.4	99.6	99.6	99.6	99.6	99.0	99.7	94.7	99.4	99.5
≥ 500 ≥ 400	95.0	97.9	98.5	98.7	99.2	99.2	99.5	99.7	99.7	94.7	79.7	99.7	99.9	99.8	1.	97.9
≥ 300 ≥ 200	95.0 95.0		98.5	98.7	99.2	99.2	99.5	99,7	99.7	99.7	99.8	99.8	99.9	1 0 0	100.0	100.0
≥ 100 ≥ 0	95.0			98.7 98.7	49.2	99.2	99.5	99.7	79.7	99.7	99.8	99.8				0.001

TOTAL NUMBER OF OBSERVATIONS

2009

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAL . AIR MEATHER SERVICE/HAC

### CEILING VERSUS VISIBILITY

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1

HWAJELEIN HARSHALL IS/BUCHILZ 44-40-49-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VIS	IBILITY (ST.	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2%	≥ 2	≥1%	≥1¼	≥1	≥¾	≥%	≥%	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	64.1	44.3	67.1	44.7	44.3 62.1	44.3	44.3	44.3	44.3	44.3 62.1	44.3	44.3	44.3	44.3 62.1	44.3	44.3
≥ 18000 ≥ 16000	63.4	63.6	63.6	7.7	63.6	63.6	62.6	63.6	62.8	67.5	63.6	62.8	62.8	63.6	62.0	63.6
≥ 14000 ≥ 12000	71.0	71,4	71.4	71.4	64.3	71.4	71.4	71.4	66.3	66.3	66.3	71.4	66.3	71.4	71.4	00.3
≥ 10000	75.1	75.6	79.6	75.6	75.6	75.6	75.6	75.6	75.6	77.3	75.6	77.3	73.6	75.6 77.3	75.6	77.3
≥ 8000 ≥ 7000	78.5	80.4	79.1 80.4	79.1 80.4	79.1 80.4	79.1 HD.4	79.1	79.1	79.1	79.1	80.4	79.1 80.4		80.4	80.4	80.4
≥ 6000 ≥ 5000	50.7 ×2.0	82,5	02.8	87.4 82.8	81.4	81.4	82.4	81,4 82,8		82.8	82.8	81.4		81.4	81.4	82.8
≥ 4500 ≥ 4000	12.2	83.0	84.5	84.5	83.0	34.6	84.6	83.0	84.6	83.0 84.6	84.6	#3.0 64.0	84.6	83.0 84.6	84.0	83.0
≥ 3500 ≥ 3000	63.8 54.8	84.8	86.0	84.9	44.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	86.1	85.0 86.1	40.1	86.1
≥ 2500 ≥ 2000	85.7	91.2	91.4	91.4	91.5	91.5	91.6	91.6	87.3 91.6	91.6	91.6	71.0		91.6	91.6	91.6
≥ 1800 ≥ 1500	91.8 44.1	96.8		93.9 97.4 98.7	94.0	94.0	94.1 97.6	94.1 97.6			94.1	97.4	97.6	94.1	97.6	97.6
≥ 1200	74.9	98.3	94.6	99.1	99.4	99.4	99.6	99.6	99.6	99.7	79.7	99.7	99.8	99.1	99.1	99.1
≥ 900	99.0	98.4	99.0		99.4	99.5	99.7	99.7	99.7	97.6	99.9	90.9	99.4	99.9	99.9	99.9
≥ 700 ≥ 600	75.0 95.0	98.4	79.0	99.1	99.5	99.5	99.8	97.8	99.6	99.0	99.4	99.9	100.0	100.0	700 · 0	100.0
≥ 500 ≥ 400 ≥ 300	95.0	98.4	99.0	90.1	99.5	99.5	99.8	99.8	99.6	92.0	100.0	100-0	100.0	100.0	100.0	100.0
≥ 200	95.0	98.4	99.0	99.1	99.5	99.5	99.8	99.8	99.8	99.9	100.0	100.0		100.0	100.0	100.0
≥ 100	95.0	98.4	1	99.1	99.3	99.5	99.8	97.8	79.8	99.0		100.0	10 m t. s m		100.0	

TOTAL NUMBER OF OBSERVATIONS\_

USAF ETAC MILL 0-14-5 (OL 1) MERVIOUS EUTPONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR MEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

5

40604 KHAJELEIN MARSHALL IS/BUCHOL! 44-40,49-72

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1400-3000

CEILING				,			ViS	IBILITY (ST.	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2⅓	≥2	≥1%	≥1¼	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	47.8	48.5	48.0 64.1	48.0 64.1	40.0	40.0 54.1	48.0	48.0 64.1	48.0	45.0	44.0	48.1	45.0	48.0	48.0	48.0
≥ 18000 ≥ 16000	66.0	64.9	64.9	66.2	66.2	64.9	64.9	64.5	64.9	64.0	64.9	64.9	54.7	66.2	54.9	
≥ 14000 ≥ 12000	68.0 73.0	73.3	73.4	73.4	58.8	66.8 73.4	73.4	68.8 73.4	73.4	68.8 73.4	68.8	48.3	48.5	68.8	68.8	68.8
≥ 10000	77.9	78.4	78.4		79.9	78.4	78.4	78.4	78.4	78.4	70.4	76.4	78.4	78.4	78.4	78.4
≥ 8000 ≥ 7000	80.7	81.5	82.8	81.5	97.6	81.5	82.9	\$1.5 82.8	81.5	81.5	82.8	81.9	81.5	81.5	81.5	81.5
≥ 6000	82.0 83.4	83.1	83.2	83.2 84.7	83.2 84.7	34.7	93.2	83.2	83.2	84.7	83.2	83.2	84.7	83.2	83.2	83.2
≥ 4500 ≥ 4000	84.0	84.9		35.0 86.1	85.0	86.1	86.1	85.0 86.1	85.0	85.0	85.0	8/1	85.0 86.1	85.0	86.1	85.0
≥ 3500 ≥ 3000	54.9	86.3	87.4	87.4	87.4	86.4 87.4	87.4	86,4 87,4	80.4	87.4	87.4	87.4	80.4	86.4	86.4	86.4
≥ 2500 ≥ 2000	80.7	88.3 91.8	91.9		71.0	91.9	92.0	92.0	92.0	92.0	92.0		92.0	98.4	92.0	\$8.4 92.Ω
≥ 1800 ≥ 1500 ≥ 1200	91.5	93.7 96.4 97.8	93.8		93.8	96.6	93.9	93.9	93.9	96.7	93.9	96.7	96.7	93.9	93.9	93.9
≥ 1000	94.5	98.3	97.8 98.4	78.5	98.7	89 · A	99.0	99.2	98.5	98.5	99.4	99.4	98.5	98.5	78.5	98.5
≥ 800 ≥ 700	94.5	98.4	98.5	98.6 98.6 98.8	98.8	98.8	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.7	99.4	99.7
≥ 600	94.5	98.4	98.5	98.8 98.8	99.0	99.0	99.3	99.4	99.5	99.7	99.8	99.1	79.9	99.8	79.4	99.0
≥ 400 ≥ 300	94.5	98.4	98.5	90.8	99.0	99.0 99.0	79.3	99.4 99.5	99.5	97.5	99.9	99.9	100.0	00.0	100.0	100.0
≥ 200	94.5	98.4	98.5	98.8	99.0	99.0	79.3	77.5	99.5	99,9	00.0	100.0			100.0	
≥ 100 ≥ 0	94.5	98.4	98.5	_ ` • .1	99.0	99.0	99.3	99,5	99,5	99.9		100.0			100.0	00.0

TOTAL NUMBER OF OBSERVATIONS 2011

USAF ETAC JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR MEATHER SERVICE/HAC

### CEILING VERSUS VISIBILITY

KWAJALTIN MARSHALL IS/BUCHOLZ 44-46,49-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (STA	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥ 2	≥1%	≥14	≥1	≥ ¾	≥ ⅓	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	57.2			57.4		57.4	57.4	57.4	57.4 67.6	57.4 67.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 18000 ≥ 16000	57.0	67.7		47.9	67.9	63.9	67.9	67.9	67.9	67.7	68.9	67.9	68.9	67.9	67.9	
≥ 14000 ≥ 12000	74.7	75.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.6	71.0	71.0	71.0	71.0	71.0	71.0 75.1
≥ 10000	79.1 40.0		80,8		79.7	80.9	77.7	79.7 60.9	79.7		79.7 80.9	79.7 80.0	10.9	99.7	79.7	
≥ 8000 ≥ 7000	81.0			82.0	83.0	0.53	82.0	82.0 83.0	83.0	82.0	82.0	82.0	83.0		13.0	83.0
≥ 6000 ≥ 5000	67.3	83.4		84.7	83.4	83.4	84.7	83.4	84.7	83.4	53.4	84.7	83.4	87.4	83.4	83.4
≥ 4500 ≥ 4000	63.0 65.2	86.6		85.7	85.2	85.2	86.7	85.2	85.2	85.2	85.2	85.7	85.2 06.7	MA.7	85.2	86.7
≥ 3500 ≥ 3000	85.7	87.3	87.4 87.4	87.5	07.1 07.5	87.1	87.1	87.5	87.5	87.3	57.1 57.5		87.5	87.5	87.1	
≥ 2500	86.4 89.4	91,5	91.7	91.9	91.8	91.5 93.2	91.8	91.6	91.6 93.2	91.8	91.8 93.3	91.1	88.0 71.8	84.0 41.8	9).1	91.8
≥ 1800 ≥ 1500 ≥ 1200	93.8	98.9 96.1	90.4	93.2 96.7 98.0	93.7		93.2	93.2	96.9	93.3 97.0	97.0	93.1	43.3 47.0	97.0 98.4	97.0	97.0
≥ 1000	03.9	98.0	98.5	98.8	99.1	99.1	99.4	99.4	99.4	99.5	99.	99.5	99.5	99.5	99.5	
≥ 800	93.9		98.5	90.9	99.2	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	79.6	99.6	99.6
≥ 500	93.9	98.0	98.5	98.9		99.2	99.5	97.6	99.6	99.7	99.7	99.8	99.7	99.7	99.7	99.7
≥ 400	91.9	98.1	98.6	98.9	99.7	99.2	99.5	99.7	99.6	99.8	99.8	99.8	99.8	99.3	99.4	99.9
≥ 200	93.¥	98.1	98.6	99.0	99.3	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.0		100.0
≥ 0	9.50		98.0			99.3	99.6	99.7	99.7	60.0	,		99.9		100.0	

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THE FURNI ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR HEATHEN SERVICE/MAC

### CEILING VERSUS VISIBILITY

KHAJALCIN MARSHALL IS/HUCHOLZ 44-46,49-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	57.2 67.3	57.4 67.6	57.4	57.4	57.4	47.6	57.4		57.4 67.6	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 18000 ≥ 16000	64.5	67.9	68.9	48.9	67.9	63.9	67.9	67.9	67.9	67.9	67.9	68.9	67.9	67.9	67.9	67.9
≥ 14000 ≥ 12000	70.5		71.0	71.0	71.0	71.0	71.0	71.0	71.0 75.1	71.0	71.0 75.1	71.0	71.0	71.0	71.0	75.1
≥ 10000 ≥ 9000	79.] 40.0	79.7 80.8	79.7 80.8		79.7	80.9	20.9		79.7	79.7 80.9	79.7	80.0	80.9	79.7	79.7	
≥ 8000 ≥ 7000	91.1 91.0	83.0	82.0	83.0	83.0	83.0	82.0	82.0	82.0	83.0	82.0	93.0		83.0	02.0	83.0
≥ 6000 ≥ 5000	65.3	83.4		84.7	83.4	83.4	84.7		84.7	84.7	84.7	84.7	83.4	87.4	84.7	84.7
≥ 4500 ≥ 4000	43.8	86.6	8,5.2	86.7	85.2	85.2	86.7	85.2	85.2	85.2	16.7	80.7	85.2	83.7 86.7	85.2	85.2
≥ 3500 ≥ 3000	85.7	87.3	87.4	87.5	87.1 87.9	87.1	87.5	87.1	87.5	87.5	87.1 87.5	87.1	87.5	87.5	87.1	87.5
≥ 2500 ≥ 2000 ≥ 1800	56.8 1.9.4 90.5	87.8 91.5 92.9	91.7	91.8	98.0	91.9	91.8	93.2	91.8	91.8	91.6	91.1	71.8	41.8	91.5	91.8
≥ 1800 ≥ 1500 ≥ 1200	93.2	96.1	97.7	96.7	93.2	93.2 96.9 98.2		96.7	95.9	93.3 97.0 98.4	97.0	93.3	93.3 97.0	97.0 98.4	97.0	
≥ 1000	03.9	98.0	98.5	98.8	99.1	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	97.5	79.5	
≥ 800	93.9	98.0	96.5	90.5		99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	00
≥ 500	93.9	98.0	98.5	98.9	99.7	99.2	99.5	97.6	99.6	99.7	99.7	99.1	79.7	99.7	99.7	99.7
≥ 400	93.9	98.1	28.0	98.9	99.7	99.2	99.5	99.7	99.6	97.8		99.8	99.8	77.8	99.9	99.9
≥ 200	93.4	98.1	98.6	99.0	99.3	99.3	99.6	99.7	99.7	99.8	99.6	99.5	79.9	99.3	100.0	100.0
≥ 0	93.9		98.0	1			99.6		99.7	99.9					100.0	

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_

2015

USAF ETAC FORM 0-14-5 (OL 1) MENIOUS ED HORIS OF THIS FURM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

40604

THAUALETH MARSHALL IS/BUCHILT

44472

APR

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING							VIS	BILITY (ST	ATUTE MILE	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥ 2	≥1%	≥1%	21	≥ ¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	47.2	47.5 57.1	47.5 57.1	47.5 57.1	47.5	47.5 57.1	47.5	47.5 57.1	47.5 57.1	47.5	47.5 57.1	47.5	47.5	47.5 57.1	47.3	47.5 57.1
≥ 18000 ≥ 16000	57.1	59,0	57.6 59.0	57.6	97.6	59.0	57.6	57.6	57.6	59.0	57.6	57.6 59.0	57.6	57.0	57.6	57.6
≥ 14000 ≥ 12000	62.1	70.5	52.7 711.5	62.7 70.5	52.7	70.5	70.5	62.7 70.5	70.5	62.7 70.5	62.7	70.5	70.5		62.7	70.5
≥ 10000	75.2	76.5		77.6	76.5	76.5	77,6	76.5	76.5	77.6	70.5	76.5	77.6		77.6	77.6
≥ 8000 ≥ 7000	77.4	80.0	80,0	80.0	79.0	79.0 80.0	79.0 80.0	79.0 40.0	40.0	79.0 80.0	79.0 80.0	80.0	79.0 70.0	80.0	79.0 80.0	80.0
≥ 6000 ≥ 5000	78.1 79.0 79.2	81.4	81.4	80.2	11.4	81.4	80.2	80.2	80.2	50.2 51.4	80.2	80.2	81.4	81.4	80.2	81.4
≥ 4500 ≥ 4000 ≥ 3500	0.4 80.7	81.6 82.9 83.2		83.0 83.0	83.0	81.6 83.0 83.3	83.0	81.6 83.7	83.0	83.0 83.3	81.6 83.0	83.0 83.3	13.0	83.0	81.6 B3.0	51.6 53.0
≥ 3000 ≥ 2500	61 0	84.3		83.7	- 12 T 12	84.3	84.3	83.7	83.7	83.7	84.3	83.7	84.3	83.7 84.3	83.7	83.7
≥ 2000	30.0	91.9	92.0	,	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	72.1	92.1	92.1
≥ 150C ≥ 1200	91.7	96.4	4	96.7		90.5	96.8	98.6	96.5	90.6	96.5	96.6	96.9	1	74.7	
≥ 1000	92.7	98.1	98.5	99.0		99.4	99.4	99.4	99.4	99.5	99.5		79.7		99.0	
≥ 800 ≥ 700	97.7	98.7	98.6		99.5	99.5	99.6	99.6	99.7	99.8			100.0		100.0	
≥ 600	92.7	98.2	98.5	99.1	99.5	99.5	99.6	97.6	99.7	99.8	99.9	99.9	100.0		100.0	100.0
≥ 400	92.7	98.2	98.6	99.1	99.5	99.5	99.6	99.6	99.7	99.8	99.9		100.0	100.0	100.0	100.0
≥ 200	92.7	98.2	98.6	99.1	99.5	99.5	99.6	99.6	99.7	99.8	99.9		100.0	100.0	100.0	100.0
≥ 0	97.7	99.2		79.1	49.5	99.5	79.6	- 1	99.7	99.8				100.0		

TOTAL NUMBER OF JBSERVATIONS....

2083

USAF ETAC DIL 64 0-14-5 (OL 1) MERVIOUS EUT UNS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### **CEILING VERSUS VISIBILITY**

KVAJELEIN MARSHALL IS/BUCHILL 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0700-0500

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥ 2	≥1%	≥1¼	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	47.1	47.5	47.5	47.5 57.9		47.5	47.5	47.5 57.9	47.5	47.5	47.5	47.9	47.5	47.5	47.5	47.5
≥ 18000 ≥ 16000	57.8	58.3 59.4	58.3	39.4	98.3 99.9	38.3 59.4	58.3	58.3 59.4	56. 1 59.4	50.4	58.3	38.7 59.4	58.3 50.4	50.3	59.3	3A.3
≥ 14000 ≥ 12000	63.1	62,5	62.5	62.5	62.5	69.6	62.5	62.5	62.5	62.5	69.6	62.5	62.5	67.5	69.6	62.5
≥ 10000 ≥ 9000	74.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	79.6	75.0	75.6	75.6
≥ 8000 ≥ 7000	76.4	78.0	78.0	74.0	79.3	78.0	79.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	79.3	78.0
≥ 5000 ≥ 5000	77.4 78.3	79.5	79.6 80.7	79.0	74.0	79.6	19.6	70.6	79.6	10.6	79.6	79.4	79.6	79.6	80.7	79.6
≥ 4500 ≥ 4000	70.7	81.9	82.0	81.2	92.0	95.0	81.2	95.0	81.2	85.0	82.0	81.2	82.0	81.2	81.2	81.7
≥ 3500 ≥ 3000	19.9	82.0	87.4			82.4	42.9	82.9	82.4 82.9	82.4	82.4	82.4	H2.4	82.9	82.4 12.9	82.9
≥ 2500 ≥ 2000	80.9 87.2	90.7	90.8		90.9	90.9	91.0	91.0	63.6 91.0	83.6	83.6 91.0	43.0	91.0	83.6 91.0	01.0	91.0
≥ 1800 ≥ 1500	90.6	95.5	94.0	93.2	93.3	95.4	95.5	96.5	98.5	93.4	76.6	94.6	98.6	96.6	96.6	93.4
≥ 1200	91.5	97.1	97.7	98.6		78.1	98.2	98.3	98.3	98.3	99.3	98.1	09.4	98.4	99.4	98,4
≥ 900 ≥ 800 ≥ 700	91.7	97.6	98.4	98.8 98.6		99.0	99.2	99.4	99.4	99.4	99.6	99.5	99.6	99.6	99.5	99.6
≥ 600	\$1.6	97.7 97.7	78.5	98 8 98 8	99.2	99.7	99.4	99.5	99,5	99.7 90.7	99.7	99.7	99.3	99.8	99.3	99.8
≥ 500 ≥ 400 ≥ 300	91.8	97.7	98.5 98.5		99.7	99.2	99.5	99.5	99.5	99.7	99.8	99.8	99.9 99.9	99.9	99.9	99.9
≥ 200	91.8	97.7	94.5	98.9	99.7	99.2	29.5	99.8	99.6	99.8	99.0	99.9	100.0	100.0	100.0	100.0
≥ 100	91.6 91.8				99.2	99.2	99.5	97.6	99.6	99.8		99.5	****	100.0	100.0 100.0	

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_

2045

USAF ETAC 1000 0 14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE DISOLETE

DATA PROCESSING PRANCH USAF ETAC AIR MEATHER RERVICE/MAC

### CEILING VERSUS VISIBILITY

40004

15

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WHAJALEIN MARSHALL IS/PUCHILE 44-72 .

ДРР. МОНТН

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0400-0500

CEILING							VIS	BILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	17.7 50.6	37.8 50.8	37.8 50.8	· · · ·	37.8	37.8	37.8 50.8	37.8		37.8 50.8	37.8	37.9	37.4	37.8	37.8	
≥ 18000 ≥ 16000	71.0	51.4 53.1	51.4 53.1	51.4 53.1	51.4 53.1	31.4	51.4	51.4 53.1	51.4 53.1	51.4 53.1	51.4	51.4	51.4	51.4 53.1	51.4	51.4
≥ 14000 ≥ 12000	56.5 67.0	56.7	56.7	56.7 67.3	56.7 67.3	50.7	56.7	50.7	56.7	56.7 67.3	50,7	56.7	56.7	56.7	56.7	56.7 67.3
≥ 10000 ≥ 9000	75.1	74.0	77.3	70.0	76.0	70.0	76.0	76,0	76.0 77.3	76.0	70.0	76.0	76.0	76.0	76.0	76.0 77.3
≥ 8000 ≥ 7000	77.4 78.5	78.6	80.2		78.7	78.7	70.7	78.7	78.7	70.7	78.7	70.7	74.7	78.7	78.7	78.7
≥ 6000 ≥ 5000	78.9	80.7		81.8	90.9	\$0.9 51.8	80.9	80.9	80.9	80.5	81.8	80.4	80.9	81.8		80.9
≥ 4500 ≥ 4000	81.1	82.3 83.7	82.3	82.4	02.4	82.4	82.4	82.4	52.4 83.3	87.4 83.3	87.4	82.4	4.58 E.ER	82.4	82.4	82.4
≥ 3500 ≥ 3000	01.4	83.5		83.5 84.1	83.5 84.1	83.5	84,1	83.5 84.1	83.5	83.5	84.1	83.5	87.5	84.1	84.1	84.1
≥ 2500 ≥ 2000	87.9	90.7	90.7	84.7		90.0	90.9	34,7	90.9	90.9	90.9	90.9	90.4	90.7	90.9	
≥ 1800 ≥ 1500	91.6	92.9	96.0	96.4	92.2	93.2	96.5	93.2	96.5	93.2	96.5	70.5	93.2	96.5	96.5	96.5
≥ 1200 ≥ 1000	92.7 92.9	97,6 98.1	98.6	99.3	99.5	99.5	99.7	99.7	99.7	99.8	99.6	99.5	99.8	99.6	99.8	98.6
≥ 900 ≥ 800	92.9	98.2	98.7	39.6	99.0	99.6	79.0	99,6	99.8	99.0	29.9	99.0	99.9	97.8	99.8	99.8
≥ 700 ≥ 600	92.9	98.7	98.7	99.4	90.4	_	99.8	97,6	79.8	100.0	100.0	100.0	100.0	100.0	100 • 0	100.0
≥ 500 ≥ 400	25.8	78.2 98.2	98.7	99.4	79.0	99.6	99.8	99.8	79.8	100.0	100.0	100.0	700.0	700.0	100.0	100.0
≥ 300 ≥ 200	\$2.9 \$2.9	98.2	98.7	99.4	99.6		99.8	99.8	99.8		100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	92.9	98.2	98.7 98.7	99.4	99.6	99.6	99.8	99,0		100.0		100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2045

USAF ETAC  $^{\text{FORM}}_{\text{AUL64}}$  0-14-5 (OL 1) previous editions on this form are obsorble

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SELVICE/MAC

### **CEILING VERSUS VISIBILITY**

5

KNAJALEIN HARSIMALL IS/BUCHILL 44=72

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0400-1100

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥1%	≥1¼	≥١	≥¼	≥%	≥ ⅓	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	30.4	36,4	34.4		36.4	30.4	30.4	36,4 52.9	36.4 52.9	1	30.4	36.4	30.4	36.4	36.4	30.4 52.9
≥ 18000 ≥ 16000	54.0	54.0 55.1	54.0 55.1	54.0 55.1	54.0	54.0	54.0 33.1	54.0	54.0	54.0 55.1	54.0 55.1	34.0	54.0	54.0	54.0	34.0
≥ 14000 ≥ 12000	38.9	59.9	54.9	59.1	58.9	58.9	50.9 69.1	50.9	58.9	58.9	58.9	53.7	58.9 69.1	59,1	58.9	59.9 69.1
≥ 10000 ≥ 9000	77.2	77.8		79.9			77.0	77.8	77.8	79.9	77.8	77.8	77.4	77.8	77.8	77.8
≥ 8000 ≥ 7000	79.9	81.7	71.3	31.0	80.7	60.7 Bi.H	80.7	80.7	80.7	80,7	80.7	ac.7	8Q.7	7.08 8.18	80.7	80.7
≥ 5000 ≥ 5000	01.3	87.7	B7.8	83.8	92.3	83.5		\$2.5 83.6	82.5	62.5 83.6	82.5	82.9	82.5 83.5	8.58 B.C8	82.5 83.8	82.5
≥ 4500 ≥ 4000	42.0	84.0	85.2	84.0	85.7	85.2	84.0	85.2	84.0	84.0	84.0	84.0	15.2	43.2	84.0	89.2
≥ 3500	84.0		26,7	86.7	95.0		86.3	\$6.3	85.6	85.6	85.6 86.3	36.3	86.3	85.6	86.3	86.3
≥ 2500 ≥ 2000	85.0			92.6					92.6	92.6		92.6	92.0			
≥ 1800 ≥ 1500	93.3 94.1		90.9	-			97.2	94.3 97.3	97.3	94.3	94.3		97.3	97.3	27.7	94.3
≥ 1200 ≥ 1000 ≥ 900	74.3	98.4	94.0	99.5	99.4	99.4	98.5	99.6		99.6		98.0 99.4		99.5	99.8	
≥ 900 ≥ 800 ≥ 700	94.3	98.4	98.9	99.0		99.5	99.6	97,7	99.7	1	99.3	99.8	100.0		100.0	. • • • • • • • • • • • • • • • • • • •
≥ 500	94.3	98.4	9ä. 9	99.0		99.5	99.6	99.7	99.7	99.8	99.8	99.8	100.0	100-0	100.0	100.0
≥ 400	94.3	98.4	937.9	99.0	99.3	99.5	99.6	97.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 200	94.3	98.4	98.9		99.3	99.5		99.7	99.7	99.8	99.6	99.3	100.0	100.0	100.0	100.0
2 0	94.3	93.4		- ,			99.	90.7	99.7				100.0	100.0		100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 101.54 0 14-5 (OL 1) PREVIOUS ENTITIONS OF THIS FORM ARE OBSORTE

DATA PROCESSING BRANCH USAF ETAC AIR MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

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KHAJALEIN HARSHALL IS/BUCHILZ 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEIL IG							VISI	BILITY (STA	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥ı	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	36.5 54.5	36.6 54.6	36.6 54.6	30.6 54.6	10.6	36.6	36.6	36.6 54.6	30.6	34.6	36.6 54.6	36.6	30.6	30.6	36.6 54.6	34.6
≥ 18000 ≥ 16000	35.5 57.6	35.6	57.6	55.6 57.6	55.6 57.6	57.6	35.6	57.6	57.6	55.0	55.6 57.6	57.6	55.6	53.6 57.6	55.6	55.6 57.6
≥ 14000 ≥ 12000	60.7	69.6	69.6	80.8	40.6	49.6	69.6	69.6	60.8	69.7	40.8	40.8	49.7	8.00	60.8	60.6
≥ 0000	75.5	75,9 77,8	79.9	75.9 77.5	75.9	79.9	79.9	75,9	75.9	70.0	70.0	75.6	76.0	74.0	76.0	74.0
≥ 8000 ≥ 7000	78.4	78.8	79.3	78.8	78.8 NO.2	70.A	18.0	78,8	78.8	70.9	78.9	78.9	76.9	76.9	78.7	78.9
≥ 6000	79.9	8. 7	81.7	80.7 81.7	81.7	81.7	80.7	81.7	81.7	80.6 81.8	81.6	80.8	81.	81.0	81.0	81.8
≥ 4500 ≥ 4000	61.1	81.9	81.9	81.4 B2.7	81.9	81.9	87.7	82.0 82.8	82.0	82.1	82.9	42.1	12.1 12.9	82.7	82.1	#2.9
≥ 3500 ≥ 3000	82.2	83.1	83.3 8.58	83.1 83.5	93.1 83.5	83.1	83.1	83.5	83.1	83.2 83.6	83.5	83.7	83.6	83.8	83.2	83.0
≥ 2500 ≥ 2000	83,3	90.9	91.0	91.1	91.1	91.1	91.1	91.2	91.3	91.3	91.3	9163	94.5	91.4	91.4	91.4
≥ 1800 ≥ 1500	91.0	93.5	93.5	93.7	93.8	93.8	93.0	95.3	93.9	94.0	76.5	96.5	94.1	94.3	94.1	94.1
≥ 1200 ≥ 1000	93.7	97.4	97.6	98.5	98.2	98.8	98.2	99.3	99.3	40.0	99.6	99.6	98.0	99.7	94.7	99.7
≥ 900 ≥ 800	93.5 93.8	97.6 97.6	97.9	98.5	98.8	96.8	99.1	99.3	99.3	99.6	99.0	99.7	99.8	99.7	99.0	77.8
≥ 700 600	93.8	97.6	98.0	98.6	98.9	98.9	99.2	99.5	99.4	99.7	99.8	99.1	99.9	99.9	99.9	
≥ 500 ≥ 400	93.8 93.8	97.6	98.0	96.6	98.9	98.9	99.2	99.5	99.5	99.9	79.7	99.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	93.6	97.6	98.0 98.0	98.6	98.9	98.9	97.2	99.5	99.5	90.9	99.4	99.0	100.0	*****	100.0	100.0
≥ 100 ≥ 0	93.8		98.0	98.6	98.9	69.6	99.2	99.5	99.5	99.9	99.9	99.9	100.0	100.0	100.0	22211

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_\_

2045

USAF ETAC  $\stackrel{\text{40RM}}{\text{MLM}} = 0.14.5$  (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING HRANCH USAF ETAC AIR MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

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40604 EMAJALEIN MARSHALL ISVEUCHOLZ 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURL' OBSERVATIONS)

1400-1700

CEILING							VIS	IBILITY (ST.	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	35.4 53.0	33.4	35.4	35.4 53.0	35.4	35.4 33.0	35.4 33.0	35.4 93.0	35.4	35.4 53.0	35.4	35.4	35.4 53.0	35.4 53.0	35.4 53.0	35.4
≥ 18000 ≥ 16000	54.0 56.1	54.6 56.1	54.6	54.6 56.1	54.5 70.1	54.6 36.1	54.6 76.1	54.6	54.6 56.1	34.6	54.6	54.0 50.1	54.6	34.0	54.6 56.1	34.6
≥ 14000 ≥ 12000	59.0	59.8	59.8 59.4	59.5	59.4	57.8	59.0	57.3	59.8	69.4	59.5	59.8 49.4	59.4	59.8	59.8	59.8
≥ 10000 ≥ 9000	75.6 77.0	76.1	74.1	76.1	76.1	70.1	70.1	75.1	70.1	70.1	76.1	76.1	76.1	76.1	76.1	74.1
≥ 8000 ≥ 7000	76.3	79.0	79.0	79.0 80.5	79.0 80.5	70.5	79.0	80.5	79.0	79.0	77.0	80.5	79.0	79.0	79.0	79.0
≥ 5000 ≥ 5000	79.8 80.8		81.8	90.8 81.9	80.8	80.8	80.8	80.8	80.4	61.9	80.8	81.9	81.9	80.8	80.8	80.0
≥ 4500 ≥ 4000	81.2	82.2	87.02	82.3	82.3 83.8	83.8	82.3	82.3	82.3	82.3	87.3	82.7	82.3	62.3 H.FB	82.5	82.3
≥ 3500 ≥ 3000	83.2	84.3	85.0	85.1	85.1	84.4 84.1	84.4	25.1	85.1	84.4	84.4	85.1	84.4	84.4	84.4	84.4
≥ 2500 ≥ 2000	90.4	97.6		95 B	97.8	92.9	92.8	92.8	92.8	92.8	72.4	92.8	92.4	97.8	92.0	92.8
≥ 1800 ≥ 1500	93.1	94.5		96.7	94.9	96.8	95.0	95.0	95.0	95.0	99.0	95.0	95.0	95.0	75.0	95.0
≥ 1200 ≥ 1000	94.0	95.2	97.8 98.5	99.0	78.4	99.4	99.5	98.5	98.5	99.6		98.5	94.3	98.9	98.7	98.5
≥ 900 ≥ 800	94.4	98.2	98.5	99.0	99.3	99.4	99.7	99,0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	94.4	98.2	98.5	99.0	99.5	99.5	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	94.4	95.2	98.5	99.0	79.5	99.5	99.7	99,7	99.8	99.9	100.0	100-0	100.0	100-0	100.0	100.0
≥ 300	94.4	98.2	98.5	99.0	99.5	99.5		99.7	99.8	99.9	100.0	100.0	7.00 • 0	100-0	100.0	100.0
≥ 100	94.4	98.2	94.5	99.0	49.5	99.5	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2082

USAF ETAC JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR MEATHER SERVICE/MAC

### **CEILING VERSUS VISIBILITY**

1

MAJALEIN MARSHALL IS/RUCHTLE 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-2000

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥115	≥1¼	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	37.1 52.7	37.1	37.1	37.1	37.1	37.1 52.6	37.1 52.8	37.1	37.1	37.1 57.8	37.1 52.8	37.1	37.1 52.2	37.1 32.8	37.1 52.8	37.1
≥ 18000 ≥ 16000	54, 1 55, 6	54.2 55.5	54.2	54.2 35.6	34.2	54.2 55.6	94.2	34.2 35.6	54.2	54.2 55.6	54.2 53.6	54.2	54.2	34.7	34.2	54.2 55.6
≥ 14000 ≥ 12000	59.8	59.9	59.5	59.9 69.9	49.4	59.9	59.9	59.9 69.5	59.4	57.9 69.5	59.9	59.9	59.9 69.5	99.5	59.5	57.7 67.5
≥ 10000 ≥ 9000	75.8	76.7	74.8	76.8	76.6	76.8	78.3	76.8		76.8	76.4	76.9	76.8	76.8	76.8	76.5
≥ 8000 ≥ 7000	78.8	79.8 80.8	79.9			79,4	79.9 80.9		80.9	79.9	79.9 80.9	79.9		77.9	80.7	80.9
≥ 6000 ≥ 5000	79.7	81.3		V-	82.9	81.5	02.9		81.5	81.5	82.9	82.9		82.9	82.0	82.9
≥ 4500 ≥ 4000	82.7	84.5			83.2 84.6	83.2				83.2	83.2	83.2 84.6		89.2	84.6	
≥ 3500 ≥ 3000	83.7	85.4	84.9	74 4	45.6	85.6	85.6			83.6	85.6		85.6	85.0	H5.6	83.6
≥ 2500 ≥ 2000	84.4 89.0	92.5 94.1	92.7	92.7	92.9	40.0	92.9	92.9	92.5	92.9	92.9	92.9	92,9	92.9	37.9	92.4
≥ 1800 ≥ 1500 ≥ 1200	92.2	96.8	97.1	94.4 97.1	97.3	94.0	97.5	94.6 97.5 98.7	97.5	97.5	94.6	94.0	97.5	97.5	94.0	97.5
≥ 1000	93.3	98.4	2. A 2.		99.1	99.2	99.5	99.5	99.4	99.5	99.5	99.5	777	99.5	99.5	79.5
≥ 800	93 y	98.5		5 7 4	99.2	99.7	99.5		99.5	97.6	99.7	99.7	99.7	99.7	29.7	99.7
≥ 600	93.3	98.5	98.8	99.0	99.3	99.3	99.7	97.6	99.6	99.7	100.0	99.9	79.9	100.0	79.9	99.9
≥ 400	93.3	98.5	98.8	99.0	99.3	99.3	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	93.3	98.5	98.8	99.0	99.3	99.3	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0		100.0
≥ 0	93.3				99.3	99.3	99.7	99,7							100.0	

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_

USAF ETAC JULIA U-14-5 (OL I) PREVIOUS EDITIONS OF THIS FORM ARE DISOLETE

1505

DATA PROCESSING BRANCH USAF ETAC AIR MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

KNAJALPIN MARSHALL ISARUCHELA 44-72

MARR-

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥ı	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	36.1 58.4	46.5 58.9	58.9			50.5	46.5	46.5 58.9	46.5	40.5 58.9	46.5 58.9	46.5		46.5 58.9	1	46.9
≥ 18000 ≥ 16000	59.0	60.7	59.5 00.7	30.5 60.7	57.5	59.5 60.7	59.5	57.5	59.9	59.5	\$9.5 60.7	59.5	59.5	59.5	59.5	59.5
≥ 14000 ≥ 12000	63.6	64.1 72.5	72.5	72.5	72.5	54.1 72.5	94.1	72.5	72.5	72.5	72.5	64.1 72.8	72.5	64.1 77.5	72.5	64.1 72.5
≥ 10000 ≥ 9000	77.8	78.9 80.8	78.9	78.9	75.9 80.0	78.9	9.08 80.6	78.9	79.9	78.9	78.4 80.6	78.4	78.9	78.9	78.9	78.9
≥ 8000 ≥ 7000	1,08 6,08	81,4 62.3	87.4	81.5 82.4	41.5 82.4	\$1.05 \$1.05	81.4	\$1.6 \$2.5	81.4	81.00 82.5	81.6	81.6 82.5	82.5	61.6 82.5	81.6	82.5
≥ 6000 ≥ 5000	60.9 61.9	82.9 84.0	82.9	84.0	7.77 * 1	84.0	83.0	81.C	83.0	83.0 84.1	83.0 84.1	83.0	83.0	83.0	84.1	84.1
≥ 4500 ≥ 4000	83.1	84.3	84.4	84.4	84.4	84.4 85.4	85.5	84,5	85.5	84.5 85.5	89.5	84.5	84.5	64.5	84.5	84.5
≥ 3500 ≥ 3000	83.8	86.1 86.3	86.1	36.1 35.3	80.1	40.1 66.3	86.2	80.2	86.4	86.4	86.2	86.2	86.2	86.4	86.4	86.2
≥ 2500 ≥ 2000	84.6 90.0	87.1 93.4	93.5	93.6		87.2	67.3	97,3	93.8	87.3 93.8	87.3 93.8	93.5	87.3	87.3 93.4	87.3	87.3
≥ 1800 ≥ 1500	90.4 91.9	94.5	94.7	94.8	94.9	94.9	95.0	93.0	95.0	95.0	95.0	95.4	97.9	95.1	95.1	97.9
≥ 1200 ≥ 1000	92.8	97.9	98.3	98.6	98.7	98.7	99.5	98.8	98.6	98.9	98.9	96.9	99.0	94.0	99.0	99.0
≥ 900 ≥ 800	92.8	98.3	98.8	99.1	99.4	99.4	99.5	99.5	99.5	99.7	99.6	99.8	99.8	99.8	99.8	97.8
≥ 700 ≥ 600	92.8	98.4	98.8	99.1	99.5	99.5	99.6	99.6	99.4	99.8	99.5	99.8	99.9	99.9	99.9	99.9
≥ 500 ≥ 400	92.8	98.4	98.8	99.1	99.5	99.5	99.7	99.7	99.7	99.5	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	92.8	78.4 78.4	98.3	99.1	49.5	99.5	99.7	97.7	99.7	90°0	100.0	100.0 100.0	100.0	100.0 100.0	100.0	100.0
≥ 100 ≥ 0	92.8		02.3	99.1	99.3	99.5	99.7	99.7	99.7		100.0	100.0	100.0		100.0	100.0

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_\_

2030

USAF ETAC  $^{100\text{M}}_{\text{AU 64}} = 0.14-5 \, (OL\, 1)$  previous editions of this form are obsolete

DATA PRUCESSING BRANCH USAF ETAC AIR HEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604 KWAJALEIN HARSHALL IS/BUCHOLZ 44-72 YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)	_					
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	45.9 54.6	40.5 55.3			40.5	46.5 55.3	46.5	46.5	46.5	46.5 55.3	46.5	46.5 55.1	55.3	45.9	46.5	46.5
≥ 18000 ≥ 16000	55.3 56.6	56,0 57.3	50.0 57.3	2	56.0 57.3	30.0 57.3	56.0	56.0 57.3	50.0 57.3	56.0 57.3	56.0 57.3	56.0	50.0	50.0 57.3	56.0 57.3	56.0 57.3
≥ 14000 ≥ 12000	59.5 67.1	60.5 68.1	5,06	60.0 68.3	60.6	0000 0003	60.6 68.3	60,6	68,3	40.6 65.3	68.3	68.	68.3	60.6	60.6	6.86
≥ 10000 ≥ 9000	72.5	73.7	73,5	73.9	73.9	73.9 76.0	73.9	73.7 76.0	73.9	73.9	73.9	73.9		73.9	73,9	73.9 76.6
≥ 8000 ≥ 7000	75.2	76.7	70.9	77.0	77.8	77.8	77.0	77.0 77.8	77.8	77.8	77.0	77.0	77.8	77.0	77.8	77.8
≥ 5000 ≥ 5000	76.2 76.8				78.3	78.3	78.3	78.3	78.3	78.3	79.3	78.3	79.1	78.3	78.3	78.3
≥ 4500 ≥ 4000	77.2 18.4	79.1	79.3	10.9		80.9		80.9	79.5 80.9	80.7	79.5 80.9	80.9	10.9	99.5	79.5	
≥ 3500 ≥ 3000	78.7	B1.3	81.7	81.8	41.9	81.9	81.9	81,9	81.5	11.5	81.5	\$1.5 81.7	81.4	81.5	81.5	
≥ 2500 ≥ 2000	80.5	89.4	89.9		70.4	90 . 4	90.4	83.4 90.4	83.4 90.4	83.4	90.5	43.4		90.4		90.4
≥ 1800 ≥ 1500	67.4	94.4		95.5	95.8	93.1	93.1		93.1			96.0		93.1		96.0
≥ 1200 ≥ 1000	50.0	96.9	97.0 98.0	98.7	97.9	97.9	98.1	98.1	98.1		98.2			99.6	99.0	99.6
≥ 900 ≥ 800	90.0			98.7	99.3	99.2	99.5	99.5	99.6	99.7	99.4	99.7	99.8	99.8	99.7	99.8
≥ 700 ≥ 600	70.0		98.1	98.7	99.3	99.3	99.5	97.6	99.6	99.8	99.8			99.9	99.9	99.9
≥ 500 ≥ 400	90.0		98.1	98.7	49.3		99.5		99.6	99.8	99.6	99.5	99.9	99.9	99.9	99.9
≥ 300 ≥ 200	90.0	90.9		98.7				97.6	99.6	90.5	99.€	49.4	100.0			100.0
≥ 100 ≥ 0	90.0		98.1	98.7				, ,		-		Ay * **	100.0			100.0

TOTAL NUMBER OF OBSERVATIONS

Z198

USAF ETAC  $\stackrel{\text{FORM}}{\text{AN 64}}$  0-14-5 (OL 1) previous editions of this form are obsolete

DATA PROCESSING BRANCH USAF ETAC AIR MEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

\$1,604 MANON

WWAJALFIN MARSHALL IS/BUCHULZ 44-77

YAH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

G300=0500

CEILING							VISI	BILITY (STA	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥1%	≥14	≥1	≥¾	≥%	≥⅓	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	44.4	45.2	45.2 53.4	45.2	45.2	45.2 53.4	45.2	45.2 53.4	45.2 53.4	45.2	45.2 53.4	43. d	45.2	45.2 53.4	45.2	45.2 53.4
≥ 18000 ≥ 16000	53.3	54,2 55.4	54.Z	54.8 55.4	54.2	54.2 55.4	34.2	54.2 55.0	54.2	54.2 55.4	54.2 53.4	54.2	54.2	54.2 55.4	25.4	74.2 59.4
≥ 14000 ≥ 12000	57.1 55.1	58.1 66.1	58.1 66.1	58.1	38.1	58.1	56.1	58.1 66.1	1.80	58.1 66.1	50.1	1.60	58.1	58.1	20.1	56.1
≥ 10000 ≥ 9000	69.8 72.0	71.0	71.1	71.7	71.2	71.7	71.2	71,2	71.2	71.2	71.2	71.3	73.4	71.2	73.4	71.2
≥ 8000 ≥ 7000	73.8	74,1	74,6	74.2	74.3	74.3	75.0	74.3 75.0	75.0	74.3	75.0	74.3	74.5	75.0		70.0
≥ 6000 ≥ 5000	73.3	75,1 75,9	75.1	75.2	75.3	76.1	76.3	75,3	75.1	70.1	75.3	75.3	76.1	76.1	75.3	75.3
≥ 4500 ≥ 4000	74.3	76.1	79.7	76.3	77.8	76.4	77.8	75.4	77.4	76.4	77.3	77.1	77.8	77.8	74.4	77.0
≥ 3500 ≥ 3000	76.4	78.2	74.8	78.4	78.4	78.4	79.0	78.4	79.0	78.4	79.0	79.0	79.0			78.4
≥ 2500 ≥ 2000	78.4 84.0	87.1	87.3	80.4	47.7	80.5	87.9	87.9	80.5 87.9	97.9	80.5 67.9	87.7	80,5	87.9 90.9	80,5 87.9	17.5 90.7
≥ 1800 ≥ 1500	88.2	93.0	97.7	94.2	90.7 94.6	94.6	90.8	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200 ≥ 1000	90.0	96.4	90.4	98.6	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.4	49	79.4	99.4
≥ 900 ≥ 800	90.0	96.4	97.4	98.7	99.3	99.4	99.4	99.5	99.5	99.6	99.0	99.6	96.7	99.7	99.7	99.7
≥ 700 ≥ 600 ≥ 500	70.0		97.8	98.7	99.4	99.4	99.6	99.7	99.7	99.9	77.9	99.9	100.0	00.0	100.0	100.0
≥ 500 ≥ 400 ≥ 300	90.0		97.5	98.7	99.4	99.4 99.4	99.4	97.7	99.7	99.9	99.9	99.7	100.0	100.0	100.0	100.0
≥ 200	90.0	96.4	97.8	98.7	99.4	99.4	99.0	99.7	99.7	99.0	79.9	99.9	100.0	100.0	100.0	100.0
≥ 100	90.0		97.8		99,4	99.4	1906		99.7	99.9	49.9	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS\_\_\_

USAF ETAC JULIA 0-14-5 (OL 1) PREVIOUS EDITIONS, OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR HEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

KHAJALEIN HARSHALL IS/BUCHOLZ 44-72

HAY

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0400-0800 HOURS (U.S.)

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1½	≥1¼	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	34.9 49.7	34,6	34.5 46.1	34.6	34.5 46.1	34.8	34.8	34.6	34.5	46.1	35. ii	34.0	34.4	34.8	34.8	36.8
≥ 18000	48.2	47.2	47.2	48.6	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	40.0	47.2	47.2
≥ 14000 ≥ 12000	53.0 62.6	53.4	53.4	53.4	53.4	53.4	53.4	53.4 63.4	53.4 63.4	53.4 63.4	53.4 63.4	93.4	53.4	\$3.4 63.4	53.4	22.4
≥ 10000 ≥ 9000	71.7	70.4	70.4 72.9	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.9	70.5	
≥ 8000 ≥ 7000	72.5	73,9		74.0	74.0	74.0	74.0	74.0 75.6	74.0 75.6	74.0	74.6	74.0	74.0	74.0	74.0	74.0
≥ 5000 ≥ 5000	73.9	77,0	75.9	75.0	76.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	75.0
≥ 4500 ≥ 4000	75.0 76.3	77.2	78,8	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.3		77.5	77.5
≥ 3500 ≥ 3000	76.8	79.8		79.5		79.0	14.7	79.7	79.7	79.7	79.7 BO.4	79.7	79.7	79.4	79.7	79.7
≥ 2500 ≥ 2000	78.0	U8.4	89.0	36.5	82.2 89.4	82.2 89.4	89.4	82.3	87.3	#2.7 87.4	82.3	89.4	6.5B	39.4	82.3 89.4	#2.3 #9.4
≥ 1800 ≥ 1500	88.6	94,5	95.3	92.1 95.5	92.3	95.9	90.1	92.4 96.1	92.4	92.4	96.1	92.4	96.1	92.4	92.4	92.4
≥ 1200 ≥ 1000	90.0		98.Ô	97.4	99.0	97.9	99.5	98.2	99.5	92.2	94.2	98.2	98.2	99.7	99.7	9.7
≥ 90x) ≥ 800	90.0	97.0	98.0	98.5	99.1	99.2	99.5	99,6	99.6	99.7	99.6	99.7	79.7	99.7	99.7	99.9
≥ 700	50.0	97.0		98.5	99.1	33.5	79.6	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 500 ≥ 400	90.0	97:0	98.1	98.5	99.2	99.2	79.7	99,7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	
≥ 300 ≥ 200	90.0	\$7.0	98.1	98.5	99.2	99.2		99.7	79.7	<b>6</b> 6°8	99.9	99.9	100.0		100.0	
≥ 100	90.0		' - T - B	98.5	99.7	99.2	99.7	97.7	99.7	90.4	99.9	99.4	100.0		100.0	

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC  $^{100M}_{301.64}$  -0.14-5 (OL 1) previous editions of this form are obsole's

TO DATA PROCESSING GRANCH
USAF ETAC
ALB HEATHER SERVICE/MAC

AUGODA

KWAJALKIN HARSHALL IS/RUCHTLE

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### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

44-72

CEILING							VIS	IBILITY (STA	ATUTE MILI	ES)						
(FEET)	≥10	≥ه	≥5	≥4	≥3	≥2⅓	≥2	≥1%	≥1¼	≥۱	≥%	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	34.2	34.2	34.7	34.3	34.3 40.6	34.3 40.6	34.3	34.3	34.3	34.3	34.3	34.3 46.6	34.3 46.6	40.6	34.3	40.0
≥ 18000 ≥ 16000	50.0	40,3 50,1	48.3 50.1	50.1	30.1	48.4 Sn.1	48.4 50.1	48.4 50.1	48.4 50.1	50.1	48.4 50.1	48.4 30.1	43.4	50.1	30.1	50.1
≥ 14000 ≥ 12000	55.7	55.6 66.2	55.7	55.7 66.3	55.7	59.7	55.7	55.7	55.7	66.3	66.3	95.7 66.3	66.3	55.7	55.7	55.7
≥ 10000 ≥ 9000	74.8	72.4	73.6	73.6	75.7	72.7	75.7	72.8	72.8	72.6	75.7	75.7	72.0	72.4	72.8	72.8
≥ 8000 ≥ 7000	77.6	78.9	79.7	79.3	79.3	79.3	77.6	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000 ≥ 5000	78.2	81.0	61.3	81.5	91.4	92.0 91.0 90.0	83.1	-	61.6	82.0	81.7	1.00	81.7	82.1	81.7	31.7
≥ 4500 ≥ 4000	60.0 60.0	82.7	82.7	82.9	82.0 83.0	83.0	83.4	83.1	83.1	83.1	87.1	#3.1	33.1	87.1	83.1	83.1
≥ 3500 ≥ 3000 ≥ 2500	81.7 82.7	84.7	85.1	84.1 85.4	84.2	84.2	84.3	84.3	84.3	84.3	54.3	84.3	85.3	84.3	84.3	84.3
≥ 2000	87.7	90.6	91.0		93.9	91.5	94.0	91.6	94.0	91.6	91.6	91.0	71.6	91.6	91.0	91.6
≥ 1800 ≥ 1500 ≥ 1200	91.0 V2.1	25.7 96.9	76.1	96.5	96.7	96.0	96.6	96,6	96.8	98.5	96.5	96.0	94.4	96.8	98.4	96.8
≥ 1000	42.1	97.3	97.9	98.4	98.8	98.6	99.1	97.1	99.1	99.3	99.4	99.4	99.4	99.4	79.5	99.4
≥ 800	92.1	97.3	97.9	98.4	95.8	96.9	99	99.3	99.3	99.6	99.7	99.7	79.7	99.7	99.7	99.7
≥ 600	92.1	97.3	97.9	98.5	79.0	99.0	79.4	99.5	99.5	99.0	79.7	99.7	100.0	99.49	100.0	99.9
≥ 400 ≥ 300	92.1	97,3	97.9	98.5	99.0	99.0	99.4	99.5	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	92.1	97.3	97.9	98.5	99.0	99.0		97.5	99.5	97.9	99.9	99.7	100.0		,,,,,,	100.0
<u>≥</u> 0	42.1	97.3	97.9	£3.5	99.0	99.0	199.4	99,5	99.5	99.5	79.9	99.5	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS....

2198

USAF ETAC FORM U-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE DISSOLUTE

DATA PROCESSING RRANCH USAF ETAG AIR WEATHER SERVICE/MAC

### **CEILING VERSUS VISIBILITY**

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KWAJALEIN MARSHALL IS/BUCHOLZ 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)		-		12.		
(FEET)	≥10	≥6	≥5	≥4	≥3	≥215	≥2	≥1%	≥1%	≥1	≥¾	≥%	≥%	≥ 5/16	≥%	≥0
NO CEILING ≥ 20000	34.2	34.3		34.4	34.4	34.4	34.4	34.4	34.4	34.4		34.4	34.4	34.4	34.4	34.4
≥ 18000 ≥ 16000	50.5	30.6			48.7	48.7	48.7	48,7 50.6	50.6	48.7 50.6	48.7 50.6	48.7 50.6	90.6	50.6	48.7	50.6
≥ 14000 ≥ 12000	67.7	68.0	59,8	48.1	55.8 68.1	55.8	35.H	55,8 60.1	55.8	55.8 68.1	59.0	55.8 69.1	55.	55.7 68.1	55.8 68.1	55.8
≥ 10000	72,5 74,6	75,4	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	75.5	73.3	73.3	73.3	73.3	73.3
≥ 8000 ≥ 7000	76.7		77.6 78.7	78.7	77.7	77.77	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 5000	77.9	80.4		80.3	16.6	80.6	80.6		80.6		-	79.1	79.1 80.4	80.5	80.6	
≥ 4500 ≥ 4000	79.3	80.8	81.Q	112.0		82.0	92.1	82.1	82.1	82.1	62.1	42.1	81.0	82.1	22.1	81:0
≥ 3500	81.2	82.1	87.9	83.0	83.1	33.5 33.1	82.5	\$2.5 #3.1	83.1	82.6 83.1	83.1	43.1	82.6 83.1	63.0 63.1	73.1	53.1
≥ 2500 ≥ 2000	83.9 88.3 80.0	91.1	85.1 71.3	91.0		91.7	91.6	85.3 91.8 94.1	91.8	91.8 94.3	91.8	91.8	91.8	91.8	9).8	91.8
≥ 1800 ≥ 1500 ≥ 1200	91.6	95.9	96.4	93.8 96.5 97.7		93.4	96.9	96.9	96.9	97.2	37.7	94.3	97.2	97.2	94.4	97.2
≥ 1000 ≥ 900	92.2	97.1	97.8	98.1	98.4	98.5	98.9	99.0	99.0	99.5	99.5	96.7	79.6	44.5	99.9	99.5
≥ 800	92.2	97.1	97.8		98.5	98.6 78.6	99.0	99.3	99.3	99.6	99.8	99.H	99.9	99.4	99.4	99,9
≥ 600	92.2	97.1	97.8	98.2	98.5	98.6	99.0	99.3	99.3	99.8	99.8	99.1	100.0	90.0	99.9	99,7
≥ 400	92.2	97.1	97.8	98.2	98.5	98.6	199.0	97.3	99.3	99.9	49.9	99.9	100.0	100.0	100.0	100.0
≥ 200	92.2	97.1	97.8	98.2	98.5	98.6	99.1	99.3	99.3	99.9	99.9	99.9	100.0		100.0	ico,o
≥ 0	92.2		97,			95.6	nn i		99.3						100.0	

TOTAL NUMBER OF OBSERVATIONS....

2199

USAF ETAC MULGE 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/HAC

### CEILING VERSUS VISIBILITY

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RWAJALPIN MARSHALL IS/BUCHOLZ 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VISI	BILITY (ST.	ATUTE MILI	ES)						
(FEET)	≥10	≥ه	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1%	≥ı	≥¾	≥%	≥ 1/2	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	30.4	30.4 44.9	30.4	30.4	30.4	30.4	30.4	44.9	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 18000 ≥ 16000	40.2	40.5	40.2	46.5	46.5	46.5	44.5	46.5	46.5	40.5	40.2	46.5	40.5	46.2	46.5	46.2
≥ 14000 ≥ 12000	53.3 65.3	53.5 65.6	53.5 63.8	93.5 65.8	53.5	53.5 64.8	93.5	53.5 65.8	53.5	45.0	53.5	33.5 69.5	33.5	53.5 62.8	53.5	53.5
≥ 10000 ≥ 9000	72.3	73.3	73.3 75.5	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 8000 ≥ 7000	70.k	78.4	77.3	78.5	77.3	78.5	74.5	75.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 6000 ≥ 5000	77.5	80.2	79.0	39.1 80.3	17.1	80.3	79.1 80.3	30,3	80.3	70.1 80.3	80.3	79.1 80.3	77.1 70.3	80.3	77.1	30.3
≥ 4500 ≥ 4000	75.8	80,3	81.6	BO 5	80.3	80.5 81.7	81.7	80.5	80.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 3500 ≥ 3000	79.9	82.1	82.2	85.3	82.4	82.4	82.4	32.4	82.4	01.0 02.4	82.4	82.4	82.4	81.6 82.4	12.4	82.4
≥ 2500 ≥ 2000	85.5	89.2	83.3	89.0	89.7	89.7	13.4	83.4 89.8	89.5	47.4	89.4	83.4	83.4	63.4 69.8	89.6	87.5
≥ 1800 ≥ 1500	91.3	95.0	93.6	95.9	76.1	92.6 96.1	96.3	96.3	96.3	96.4	92.7 96.4	96.4	96.4	94.4	96.4	92.7
≥ 1200 ≥ 1000	92.4	96.3	97.6	98.2	98.8	98.9 98.9	99.3	99.3	99.3	99.0	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900 ≥ 800	98.4	96.6	97.5	98.3	90.0	99.0	99.4	97.3	99.3	90.7	99.7	99.0	99.6	99.7	99.0	99.7
≥ 700 ≥ 600	92.4 92.5	96.6	97.	9843	99.0	99.0	79.4	97.4	99.4	90.8	19.0	77.0	99.9	99.9	79.5	99.9
≥ 500 ≥ 400 ≥ 300	92.4	96.6	97.6	98.3	99.0	99.0	99.4	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	92.4	96.6	97.6		99.0	99.0	99.4	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	92.4	90.6		اء تمقد	99.0				99.4						100.0	

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_

2196

USAF ETAC HORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

40604

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KWAJALEIN MARSHALL IS/BUCHOLZ 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING							∨ıs	IBILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥21/2	≥2	≥1%	≥1%	≥1	≥%	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	30.1	30.3	30.3	30.3	30.3 45.2	30.3	70.3 45.2	30.3	30.3 45.2	30.3	30.3	30.3	30.3	30.3 45.2	30.3	
≥ 18000 ≥ 16000	47.0 40.9	47.7	47.2	47.2	47.2	47.2	47.2	47,8	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 14000 ≥ 12000	53.4	53.8	57.8	3.8 66.3	33.4 66.4	53.0	53.6	\$3.8 66.4	53.6	53.0 65.4	53.8	53.3	53.4	53.8 66.4	55.0 56.4	53.8 66.4
≥ 10000 ≥ 9000	72.0	73,7			73.6	75.6	75.6	73.8	75.6	73.8 75.6	73.6	73.6	73.6		7.5.6	3 7 8 7
≥ 8000 ≥ 7000	76.2	77.6	78.6	78.6	78,6	78.0	78.6		77.7	78.6		78.6	77.7	78.6		
≥ 6000 ≥ 5000	78.0	78.8	78.9 79.9	77.9	10.0	30.0	78.9	78.7	78.9	76.9 80.0	78.9	78.9 30.0		70.9 80.0	78.9	
≥ 4500 ≥ 4000	76.2 79.2 79.7	81.2	81.2	a0.1	80.2	80.3	61.3	81.3	81.3	80.2	80.2	80.2	80.2	31.3	81.3	\$1.3
≥ 3500 ≥ 3000 ≥ 2500	80.2	81.7 82.5	81.8 82.6		81.5	87.6	81.6 92.6	82.6	82.6	81.6 82.6	02.6	32.6	81.0	83.9		
≥ 2500 ≥ 2000 ≥ 1800	81.2 1.20 0.88	67.1	89.3	89.3	83.9 89.3	91.9	89.4	83.9 89.4 92.1	83.9 89.4	92.1	89.5 72.1	87.5 92.1	83.7	89.5	83.9 89.5	2271
≥ 1500	90.2	94.5	95.0		95.5	95.6	95.8	95.0	95.8	95.9	95.9	95.7	94.9	93.5	93.9	95.9
≥ 1000	90.3	96.6		98.0	93.5	98.5	98.9	99.0	99.0	99.2		99.3	99.3	\$9.3	99.3	1 22 7 31
≥ 800	90.3	96.6	97.5	98.1	90.6	98.8	99.2	99.3	99.3	99.0	99.7	99.7	99.7	95.7	99.7	99.7
≥ 600	90.3	96.6	11.	98.1	98.7	98.8	99.3	99.4	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 400	70.3	96.6	97.5	98.1	98.7	98.8	99.3	79.4	99.4	99.6	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	90.3	96.6	97.5	98.1	98.7	78.8 98.8	99.3	99.4	99.4	99.8	99.4	99.9		100.0	100.0	0.001
5 0	90.3	7			98.7	1	79.3	99.4	99.4	99.8		99.9		100.0	77777	100.0

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING PRANCH USAF ETAT AIR MEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

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KWAJALEIN MARSHALL IS/HUGHITLZ 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING							VIS	IBILITY (STA	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2⅓	≥2	≥′%	≥1¼	≥1	≥ ¾	≥%	2.½	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	41.3	53.5	53.5	41.4	41.4	41.4	41.4	41.4 53.5	41.4	41.4 53.5	41.4 53.5	41.4 53.5	41.4	41.4	41.4	41.4 53.5
≥ 18000 ≥ 16000	54.2 35.6	55.9	35.9	54.4 55.9	34.4	54.4 55.9	54.4	54.4 55.9	54.4	54.4 55.9	54.4	54.4	54.4	54.4 55.9	34.4	54.4 55.9
≥ 14000 ≥ 12000	59.5	70.0	59.8 70.1	39.8 70.1	70.1	70.1	70.1	57.6 70.1	70.1	59.8 70.1	59.8 70.1	70.1	39.3	59.A	70.1	70.1
≥ 10000 ≥ 9000	75.3	76.5 78.0	76.6 78.1	76.6	76.4	76.6	76.6	70.¢	76.6	70.5	78.2	76.0	76.6	76.6 78.1	75.4	76.6
≥ 8000 ≥ 7000	78.0 78.5	79.1	74.2	79.2	79.2	79.2 79.8	79.2	79.7 77.d	79.2	79.2	77.2	79.2	79.2	79.2 79.8	79.7	79.2
≥ 6000 ≥ 5000	78.7	79.9	81.1	40.0	40.0 41.2	80.0	80.0	80.0	80.0 81.1	80.0 61.1	81.1	81.1	80.0	41,1	80.0	81.1
≥ 45Cn ≥ 4000	79.0 60.0	81.1	51.2	81.2 82.4	81.3 82.5	82.5	82.5	81.3 82.5	81.3	82.5	51.3 52.5	#1.7 #2.5	12.5	87.5	85.3	81.3
≥ 3000 ≥ 3500	01.¢	0,1.0 83.3	83.2 83.5	83.2 83.6	43.3 43.7	83.3 83.7	83.3 83.7	83.3 83.7	83.9	83.7	43.7	83.7	83.7	83.3	83.7	83.7
≥ 2500 ≥ 2000	57.5	84.9 90.0	90.3	90.4	\$0.5	\$5.3 90.5	90.5	90.5	90.5	90.5	90.6	90.0	90.6	90.6		
≥ 1800 ≥ 1500	88.7 90.4	91.5	92.2	92.4	93.9	92.5 95.9	30.0	96.0	96.0	92.7	96.1	92.7	98.1	96.1	92.7	96.1
≥ 1200 ≥ 1000	41.3	96.3 96.9	97.0	98.7	99.0	97.9	44.1	98.1	99.3	99.4	99.4	98.2	98.2	99.4	98.4	99.4
≥ 900 ≥ 800	61.5	96.9	97.9	98.7 98.8	99.2	99.2	99.4	99.3	79.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700 ≥ 600	2 2	96.9	24°0		99.3	99.4	99.5	99.7	99.7	17.5	99.6	99.8	79.8	99.8	99.9	99.9
≥ 500 ≥ 400	91.3	96.9	98.0 98.0	98.9	99.3	99.4	99.5	99.7	99.7	99.4	99.9	49.4	99.9	90.0	99.4	99.9
≥ 300 ≥ 200	31.2	96.9	98.0	98.0	99.3	99.4	99.5	99.7	99.7	97.8	99.9	99.9	99.9	99.4	100.0	100.C
≥ 100 ≥ 0	91.5	A . T	98.0			99.4	A	99.7	99.7	99.8	99.9	99.4		1 31 71	100.0	100.0

2146 TOTAL NUMBER OF OBSERVATIONS\_

USAF ETAC 10 NU 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSCIETE

DATA PROCESSING MRANCH USAF ETAC AIR MEATHER SERVICE/MAC

### **CEILING VERSUS VISIBILITY**

40604

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KHAJALFIN MARSHALL IS/BUCHILL 44-45,47-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200 HOURS ((\$1)

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	21%	≥1¼	≥ı	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	45.7	49.0 58.0	49.0 58.0		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	49.0 58.0	49.0		49.0		49.0		49.0	47.0 58.0		
≥ 18000 ≥ 16000	50.3 60.1	55.9 60.5	53.9 60.5	\$8.9 60.5	48.9 60.3	58.9 60.5	98.9		59.4	58.9	58.9 60.5		50.9	57.7	58.9 60.5	58.9
≥ 14000 ≥ 12000	63.7	71.7	71.7	72.0		72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 10000	70.0	77.0	77.0	77.4	78.0	77.4	77.4	77.4	77.4	78.0	77.4		77.4	77.4		77.4
≥ 8000 ≥ 7000	77.9	79.0	78.0	74.9	79.5	79.0	77.0	79.5	79.0	79.0	79.5	79.0	79.0	79.0	79.0	79.0
≥ 6000 ≥ 5000	78.7		79.3 80.3	80.6	80.7	80.7	79.7	80.7	80.7	80.7	80.7	79.7	80.7	80.7	90.7	80.7
≥ 4500 ≥ 4000	79.1		81.7	82.1	82.1	\$0.4 52.1	82.1	87.1	82.1	45 - 7	82.1	1.50	80.	42.1	80.4	60.9
≥ 3500 ≥ 3000	61.2 81.2	92.5 83.6	52.7	H3.1	83.0	83.1	83.0	83.1	63.1	83.1	83.1	#3.0	83.1	83.0	83.1	\$3.0 \$3.1
≥ 2500 ≥ 2000	86.7	8.9	83.9 89.3	39.7	89.8	09.8	84.8	87.8	89.4	89 S	89.8	89.8	89.8	89.0	84.2	89.8
≥ 1800 ≥ 1500 ≥ 1200	90.0	94.2	74.8	95.4	95.8	92.1 95.8 98.4	95.9	92.1	95.9	95.9	95.9	95.7	92.1 95.7	95.7	95.9	95.9
≥ 1200 ≥ 1000 ≥ 900	92.5	96.9	97.6	46.3 98.3	99.1	29.1	99.3	97.3	79.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	92.5	96.5	97.2	98.3	99.7	99.3	79.3	97,4	99.4	99.6	99.6	49.6	99.6	99.6	99.6	99.6
≥ 500	92.5	97.0	97.7	98.4	99.2	99.2	99.4	99.3	99.5	99.7	99.7	99.7	79.7	100.0	100.0	99.7
≥ 400	92.5	97.0	97.7	98.4	99.3	99.3	99.0	99.7	99.7	99.9	99.9	99.7	100.0	100.0	100.0	100.0
≥ 200	92.5	97.0	97.7	98.4	99.3	99.3	99.6	99.7	99.7	97.9	99,9	99.7	100.0	100.0	100.0	100.0
≥ 0	92.5	97.0	97.7	98.4	99.3	99.3	99.6	99,7	99.7	99.9	97.9	99.4	100.0			100.0

TOTAL NUMBER OF OBSERVATIONS\_

2038

USAF ETAC 100 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR HEATHER SERVICE/MAC

## **CEILING VERSUS VISIBILITY**

1.60

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KWAJALFIH MARSHALL IS/BUCHOLZ 44-45,47-72

HUGW

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0100-0500

CEILING							VIS	BILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥%	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	45.0 43.8	45.3	45.3	45.3 54.1	45.3	49.3 54.1	45.3	45.3 54.1	45.3	45.3	45.3	45.1	43.3	45.3	45.3	49.3
≥ 18000 ≥ 16000	34.6 35.8		54.9 56.1	54.Q 56.1	54.9 50.1	54.9 56.1	34.9	94.9 56.1	54.9 56.1	54.9 56.1	54.9 56.1	54.9 56.1	54.9 56.1	54.9 56.1	54.9	54.9
≥ 14000 ≥ 12000	≎0.Z €8.1	68.8	60,7	69.7	69.2	60.7	69.2	60.7	69.7		69.2	60.7	69.7	60.7	60.7	
≥ 10000 ≥ 9000	73.5	74.3	74.5 75.3	74.7	74.7	74.7	74.7	74.7	74.7			74.7		74.7	74.7	
≥ 8000 ≥ 7000	75.3			77.4	77.5			70.6	76.6	77.5	77.5	76.6	77,5		76.6	77,5
≥ 6000 ≥ 5000	74.3 77.0	79.5		78.5		78.9	78.9	78,0 78,9	78.9	78.9	78.9	78.0	78.9		78.9	
≥ 4500 ≥ 4000	71.3	77.7	79.4		79.3	79.3 80.2		79,3 80,2	79.3		79.3 HO.2				79.3	
≥ 3500 ≥ 3000	75.5	80.1 80.9		81.7	80.6	80.6	#0.6 #1.4	81.4	80.6	81.4	81.4	81.4	81.4	31.4	80.0 81.4	81.4
≥ 2500 ≥ 2000	79.9 65.1	61.6 87.6	. 5 .	88.7		88.2	88.3	82.1 88.3	88.3		88.3				82.1	88.3
≥ 1800 ≥ 1500 ≥ 120°2	89.9		94.2	90.3	90.4	90.4 95.2 98.7	70.5 75.4 79.1	90.5 95.4 99.1	90.5	90.5 95.4	90.5	95.4	90.5	90.5	75.4	90.3
≥ 1000 ≥ 1000	9 9	97.0	97.9	98.6	99.1	99.2	99.6	99.7	99.6	99.7	99.7	99.7	99.7	99.7	99.7 99.8	99.8
≥ 800 ≥ 700	97.1	97.1	78.0 98.0	98.7	99.2	99.3	99.8	99.0	99.8	99.0	49.9	99.9	1 2 2	99.9	99.9	100.0
≥ 600	92.0	97.1	98.0	98.7	99.3	99.3	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	92.0	97.1	98.0	98.7	99.3	99.3	99.9	97,9	99.9	100.0	100.0		100.0	100.0		100.0
≥ 200	92.0	97.1	98.0	98.7		79.3	99.9	99.9	99.9	= 4 4 = 4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	92.0		98.0		99.3	99.3		99,9								100.0

TOTAL NUMBER OF OBSERVATIONS\_

USAF ETAC ARE SE 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

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41

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KWAJALEIN MARSHALL IS/RUCHINEZ

44-45,47-72 YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1600-0800 HOURS (LST)

CEILING							VIS	IBILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	34.3	34.4	34.4 47.8	34.4	34.4 67.8	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 18000 ≥ 16000	46.0	48.7 49.8	40.00	40.8 49.9	49.9	40.0	46.8	48.8	40.0	49.9	1.0	40.0	48.9	49.9		5 G
≥ 14000 ≥ 12000	53.0	53.7	(5) T	33.9 45.2	54.0	54.0 69.2	54.0	54.0	54.0	54.0 65.3	54.0	54.0 65.3	54.0 63.3	54.0 62.3	54.0	94.0
≥ 10000 ≥ 9000	72.4 73.5		72.1	73.2	73.3	73.3 74.0	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4
≥ 8000 ≥ 7000	75.0	76.4	79.6	76.7	70.7	76.7	74.8	76.5	76.6	70.0	76.8	79.9	76.9	76.9	76.9	76.9
≥ 6000 ≥ 5000	77.1	78.2	78.3	78.4	78.5	78.5	79.6	78.6	78.6	79.7	78.6	79.7	79.8	79.8	78.7	78.7
≥ 4500 ≥ 4000	78.0	81.2	80.0	81.4	81.5	80.8	80.3	\$0.3	80.3	80.3	80.3 81.6	80.0	81.7	81.7	80.4	81.7
≥ 3500 ≥ 3000	80.7	82.8	82.9	83.0	83.1	43.1	83.3	83.3	82.5	83.3	83.3	83.3	07.3	83.3	83.3	83.1
≥ 2500 ≥ 2000	80.1	88.8	89.0	89.2	13.7 19.4	89.4	89.6	83.9 89.6	83.4	89.6	113.9	83.9	83.7	87.7	99.7	89.7
≥ 1800 ≥ 1500	90.1	94,3	74.7	92.1	95.5	92.6	95.7	95.8	95.5		9%.A	95.8	95.0	95.8	92.5	95.8
≥ 1200 ≥ 1000	72.4	96.7	97.0	98.4	98.2	6.85 8.85 8.85	44.7	98.6	99.2	98.4 99.4	99.4	99.4	99.5	99.5	99.5	99.5
≥ 900 ≥ 800	92.4 92.4	97.3	97.8	98.4	99.0	90.0	99.3	99.4	99.4	99.7	99.7	99.7	99.7	99.7	94.7	99.7
≥ 700 ≥ 600	92.4	97.3	97.0	98.5 98.5 98.5	99.0	99.0	99.3	99.4	99.4	99.8	99.5	99.5	99.8	99.8	99.0	99.4
≥ 500 ≥ 400	92.4 92.4	97.3	97.8	98.5	99.0	99.0	99.3	99.4	99.4	99.8	99.8	99.0	99.9 99.9	99.9	99.5	97.9
≥ 300 ≥ 200 ≥ 100	92.4 92.4	97.3	97.8	98.5	99.0	99.0	99.3	99.4	99.4	99.8	99.8	99.8	99.5	99.9	100.0	100.0
≥ 100	92.4	97,3	97,8		99.0		99.3		99.4			99.0	99.9			100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_

2040

USAF ETAC  $\frac{\text{FORM}}{\text{AH 64}} = 9.14.5$  (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

5

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KWAJALCIN MARSHALL IS/BUCHOLZ 44-05,47-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING							VIS	IBILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥215	≥2	≥1%	≥14	≥1	≥¾	≥%	≥%:	≥ 5/18	≥¼	≥0
NO CEILING ≥ 20000	36.3	36.3	30.4			30.4	30.4	30.4 57.5	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 18000 ≥ 16000	53.4	55.2	53.6	53.0 55.4	53.5	53.0	33.6	53.6 55.5	33,6	33.0 35.5	53.6	53.6 55.5	53.6	53.6 55.5	55.5	53.0
≥ 14000 ≥ 12000	59.0	\$9.0 69.3	59.1	59.1 69.5	59.2	59.2	59.2	59.2 69.6	59.2	59.2 60.6	57.2	50.2 69.6	59.2	59.2	59.2	59.2
≥ 10000 ≥ 9000	76.0	76,3	76.5 78.5	76.5	76.6	76.6	78.8	76,6	76.4	76.6 76.8	76.6	76.0	76.6	70.6	76.6	76.6
≥ 8000 ≥ 7000	80.2	79,7	81.2	81.2	80.4	80.4	81.5	81.5	80.4	81.5	80.4	81.5	80.4	80.4	81.5	81.5
≥ 5000 ≥ 5000	31.3	82.2	81.0	41.7 82.4	82.0 82.7	82.0	02.0	82.0 82.7	82.0	82.0	82.7	82.7	62.7	82.7	82.7	82.7
≥ 4500 ≥ 4000	87.5	63.6	83.8			84.1	83.0 04.1	83.0	84.1	84.1	89.0	84.1	84.1	84.1	84.1	83.0
≥ 3500	83.2	84.7	34.9	24.9	44.00	84.8	84.8	84.H	85.2	84.8 85.2	85.2	85.2	85.2	83.2	85.2	85.2
≥ 2500 ≥ 2000	84.0	91.3	84.0		70.4	86.4 92.1	92.1	92,1	92.1	86.4 92.1	92.1	92.1	92.1	92.1	92.2	92.2
≥ 1800 ≥ 1500	91.1 92.5	93.2 95.0	93.5 95.5	93.5 95.7 97.0	96.2	94.1 96.2 98.4	94.1	94.1 96.2 98.5	94.1	90.3	96.3	94.2	94.2	94.3	94.3	96.5
≥ 1200 ≥ 1000 ≥ 900	73.9	97.2	97.7	98.1	98.7	94.7	98.9	95.0	99.0	99.2	99.2	99.2	98.7	99.3	99.4	99.4
≥ 900 ≥ 800 ≥ 700	93.9	97.3	97.8	98.2	98.7	98.5	99.0	99.1	99.1	99.5	99.5	99.5	97.7	99.7	99.0	99.8
≥ 600	93.9	97.3	97.8		98.8	,	99.1	99.2	99.2	99.6	99.5	99.5	79.7	99.7	99.8	99.8
≥ 400	93.9	97.3	97.8		90.0		99.1	99.2	99.2	99.6	99.6	99.6	99.8	99.8	79.9	99.9
≥ 200 ≥ 100	93.9	97.3	97.8			,	99.1	99.7	99.2		99.6	99.6	99.8	99.8	100.0	
≥ 0	93.9		97.8	98.7			99.1	99.2			99.6	7 7 9 11		99.8	100.0	,

TOTAL NUMBER OF OBSERVATIONS

2030

USAF ETAC JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PRUCESSING BRANCH USAF ETAC AIR MEATHER SERVICE/HAC

### CEILING VERSUS VISIBILITY

40604

KWAJALEIH MARSHALL IS/BLICHTILZ 44-45,47-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							´∨is	BILITY (ST	ATUTE MIL	ES)						]
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	21%	≥1¼	≥1	≥ ¼	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	35.2	35.2 52.1	39.7 52.1	35.2 52.1	35.2 52.1	35.2 52.1	35.2 92.1	32.2 52.1	35.2	35.2 52.1	35.7 52.1	35.2 52.1	15.2 52.1	35.2 52.1	35.2	35.2
≥ 18000 ≥ 16000	53.2 55.5	53.2 55.5	53,2 55,5	53.2 55.5	55.E	53.2	53.2	53.2 55.6	53.2	53.2 55.6	53.2	53.2	55.6		53.2	53.2
≥ 14000 ≥ 12000	69.6			,	50.2 70.1	70.1	70.1	70.1	70.1	70.1	5.00	70.1	40.2	70.1	70.1	70.1
≥ 10000 ≥ 9000	77.0	76,0	76.1 78.1	76.1	70.3	76.3	78.4	76.3	76.3	70.3	78.4	78.4	75.4	70.3	76.3	70.3
≥ 8000 ≥ 7000	79.2 10.4	81.3	81.4	81.4	80.3	60.3 31.7	80.2	81.7	81.7	81.7	80.3	80.3	81.7	80.3 81.7	80.3	80.3
≥ 6000 ≥ 5000	30.6 52.2		83.9	83.5	83.7	83.7	83.7	82.0	83.7	83.7	83.7	83.7	83.7	0.58	82.0	83.7
≥ 4500 ≥ 4000	83.3	84.7	84.0	83.7	85.1	84.0	84.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	84.0	85.1
≥ 3500 ≥ 3000	84.1	85.6	85.7	85.7	86.0	86.0	80.0	86.0	86.0	36.0	86.0	86.0	86.0	85.7 85.0	86.0	86.0
≥ 2500 ≥ 2000	84.9	91,1	91.4	91.5	91.8	91.0	91.9	91.9	91.9	91.9	71.4	91.7	91.9	91.9	91.9	91.9
≥ 1800 ≥ 1500	90.3	95.2	95.6	93.4	94.3	93.8 06.3	93.9	96.4	96.4	96.5	96.6	76.6	96.6	94.6	74.1	94.6
≥ 1200 ≥ 1000	93.0	97.2	97.6	98.1	90.9	98.4	99.2	99.2	78.6	99.4	99.5	99.5	99.5	99.5	99.6	99.6
≥ 900 ≥ 800	93.6	97.2	97.9	98.2	78.9	99.0	99.3	99.4	99.4	99.6	99.4	99.4	99.7	99.7	99.5	99.7
≥ 700 ≥ 600	93.0	97.7	97.9	98.7 98.7	99.0	99.0	99.4	97.5	99.5	99.7	99.7	99.7	99.8	99.6	39.9	99.9
≥ 500 ≥ 400	73.6 93.6	97.2	97.9	98.2	99.0	99.0	99.4	99.5	99.3	99.7	99.8	99.8	99.9	99.9	100.0	100.0
≥ 300	93.0	97.7	97.9 (%,9	20.5	99.0	99.0	99.4	99.5	99.5	99.8	99.5	99.8	99.9	99.9	100.0	100.0
≥ 100 ≥ 0	93.6	97.2	97.9	98.2	99.0	1	99.4	99.5	99.5	99.8	99.8	99.0	99.9	95.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS\_

USAF ETAC JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSCIETE

DATA PROCESSING BRANCH USAF ETAC AIR MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

KWAJALEIN HARSHALL IS/BUCHULZ 44-45,47-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1400-1700

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1⅓	≥1¼	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	30.7 49.8	30.8 49.8		30.8		30.8 8.84	30.8	30.8	8.05	30.8		30.0	30.4		30.8	30.8
≥ 18000 ≥ 16000	50.6	50,6 53,3	90.6 53.3	50.6	50.6	50.6	50.6	53.3	50.7	50.7 53.3	50.7	50.7	50.7	50.7	50.7	51.3
≥ 14000 ≥ 12000	1.8° 3.89	58.2	69.7 53.1	28.1	56.3	69.4	50.4	67.4	58,3	58.3	69.4	38.3 69.4	58.3	67.4	58.3	69.4
≥ 10000 ≥ 9000	75.7		76.2	76.3	78.0	76.5	76.4	78.5	70.5	74.5 78.5	76.5	70.5	76.5		76.5	74.5
≥ 8000 ≥ 7000	80.5		81.3	81.4	81.6	80.8	80.2	81.6	80.2			81.6	01.6	81.6	81.6	\$1.6
≥ 6000 ≥ 5000	85.3	5,58	83.7	¥3.4	82.0 83.6	32.0	83.6	83.6	82.0		3.6			83.6	83.6	83.6
≥ 4500 ≥ 4000	83.4	83.4	114.7	84.8	84.9	24.9		25 C	85.0	115.0	85.0	83.0		85.0	85.0	85.0
≥ 3500	84.5	85.8	85.7	85.4	86.3	86.3	06.3	80.4	86.4	86.4	84.4	86.4	34.4	86.4	85.4	85.4
≥ 2500 ≥ 2000	80.7 80.7	90.7	91.1	91.2 91.2	91.5		91.5	87.2 91.6 93.8	91.6	91.6	91.6		91.6	91.6		91.6
≥ 1800 ≥ 1500	92.2	94.8	93.2	97.8	96.0	93.7 96.1 98.4	94.6	96.2	96.2	96.3	94.3	93.5 96.3 98.8	96.3	93.8 96.3 98.8	96.1	96,13
≥ 1200 ≥ 1000 ≥ 900	93.0	96.7 97.0 97.0	97.8	98.4	19.0	99.1	99.3	97.4	99.4	99.7	99.7	99.7	99.7	99.7	94.7	99.7
≥ 800	93.8	97.1	97.9	98.4	99.0	99.1	99.4	99.5	99.5	99.8	99.9	99.0	99.9	99.9	99.4	99.9
≥ 600	93.8	97.1	97.9	98.3	99.1	99.2	79.5	99.6	99.6	99.8	99.9	99.7	100.0	100.0	100.0	100.0
≥ 400	93.6	97.1	97.9	98.5	99.1	99.2	79.5	99.0	99.6	99.8	99.9	90.0	100.0		100.0	100.0
≥ 200	93.8	97.1	97.9	98.5	99.1	99.2	99.5	97,6	99.6	97.8	79.9	99.9	Lua.c		100.0	100.0
2 0	93.8	97.1	97.9	78.5		99.2	99.5		99.6	99.8	1 1 1	2 7		100.0		

TOTAL NUMBER OF OBSERVATIONS....

2040

USAF ETAC NIL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING RRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

KWAJALEIN HARSHALL IS/RUCHULA 40604 STATION

44-45,47-72

2040

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥ 2	≥1⅓	≥1%	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEIUNG ≥ 20000	13.1						33.2		33.2		49.6	33.2	33.2	49.6	33.2	
≥ 18000 ≥ 16000	30.0 53.4	53.6	54.6	51.0 53.6	53.6	31.0 93.6	51.0 53.6	51.0 53.6	53.6	53.0	57.6	51.0	51.0	51.0 53.6	51.0 53.0	51.0 57.6
≥ 14000 ≥ 12000	57.3	57.7	57.7 67.5	57.7	57.8	67.6	67.6	57.8	57.8	67.6	67.6	57.8 67.6	57.6	57.8	67.6	67.6
≥ 10000 ≥ 9000	74.4	75.1	77.1	77.1	77.3	77.3	77.3	77,3	75.3	77.3	77.3	77.3	77.3	77.3	75.3	77.3
≥ 80€3 ≥ 7000	76.0	79.0 80.4	80.5	80.5	79.3	80.7	80.7	80.7	80.7	80.7	19.3	79.3	80.7	80.7	79.3	80.7
≥ 6000 ≥ 5000	79.0	62.4	82.5	112.5	82.7	\$1.0 82.7	82.7	82.7	92.7	82.7	12.7	82.7	81.0	82.7	82.7	82.7
≥ 4500 ≥ 4000	62.5	83.8	84.0	34.0	84.Z	84.2	84.2	54.2	34.2	84.2	84.2	84.2	84.2	84.2	82.7	84.2
≥ 3500 ≥ 3000	83.6	85.2	85.5	85.5	85.6	84.6	05.6	85.6	73.6	65.6	89.6	85.6	85.6	85.0	85.6	84.9
≥ 2500 ≥ 2000	87.5	89.9	90.1	90.1	90.3	90.3	90.3	90,3	90.3	90.3	70.3	90.3	90.3	30.3	90.3	90.9
≥ 1800 ≥ 1500	90.4	94.4	44.8	95.0	95.2	95.2	95.2	93.2	95.2	95.2	95.2	93.2	95.2	33.5	73.2	93.2
≥ 1000	72.0	96.9	89° J	38.8 58.1	99.4	99.1	99.4	99.5	96.6	99.7	99.7	70.7	99.8	99.8	99.8	99.8
≥ 900 ≥ 800	92.0	97.3	98.2	98 8 98 8	99.2	99.2	99.5	99.0	99.6	99.8	99,4	99.8	99.9	99.9	99.9	99.4
≥ 700 ≥ 600	9%.U 9%.U	97.3	98.2	98.8	79.2	99.2	99.5	99.7	99.7	99.9	99.9	99.7	100.0	100.0	100.0	100.0
≥ 500 ≥ 400 ≥ 300	92.0	97.3	98.7	98.8	99.7	99.2	99.5	99.7	99.7	99.9	100.0	100.0	160.0	100-0	100.0	100.0
≥ 200	92.0	97.3	98.2	98.8	99.2	99.2	99.5	99.7	99.7	97.9	100.0	100.0	100.0	100-0	100.0	100.0
≥ 100 ≥ 0	92.0	97,3	98.2	98.ก	49.2	99.2	99.5		99.7	99.9	100.0	00.0	160.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS\_

USAF ETAC  $\stackrel{\text{form}}{\text{area}}$  0-14-5 (OL 1) disensous editions of this form are obsolete

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

40504

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KHAJALETH MARSHALL IS/BUCHILZ 44-45,47-72

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

8100-2300 (121) 8400H

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥1⅓	≥1¼	۱	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	43.0	43.8			,	44.8 55.8	43.4	43.8 55.8	43.8	43.0		43.0	43.8	43.8	43.8	43.8
≥ 18000 ≥ 16000	36.5	56.9 59.6		T	36.5 48.7	56.7 58.7	96.9 98.7	56.9 58.7	56.9 58.7	56.9 58.7	56.9 58.7	96.9 56.7	56.9 58.7	56.9 52.7	56.9	54.9 58.7
≥ 14000 ≥ 12000	70.7	03.1	63.1 71.5	71.6	63.2	71.8	43.2	63.2	63.2	63.2	67.2	63.2 71.8	71.0	71.8	63.2	63.2 71.8
≥ 10000 ≥ 9000	77.2	78,3	78.4	78.6	78.8	78.8	78.8	78.8	78.3	79.7	79,7	78.0	78.2	78.8	78.6	78.7
≥ 8000 ≥ 7000	30.5	80.8	82.0	82.2	82.4	81.3 82.4	82.4	82.4	81.3	82.4	82.4	82.5	81.3	82.4	81.3	81.3 82.4
≥ 5000 ≥ 5000	80.9	82.3	03.4	82.6	377	83.9	82.8	83.9	83.9	83.9 92.6	83.9	82.5	03.9	83.9	82.8	\$3.9
≥ 4500 ≥ 4000 ≥ 3500	62.6	84.3 84.8	84.9	83.8	84.9	84.0 84.9	84.0	84.9	84.9	84.0 84.0		84.0 84.5	84.9	34.9		84.9
≥ 3000	83.0 83.3 84.0	85.0	85.2	85.5		85.4 85.7	05.4 85.7	85.4 85.7	85.4	85.4	85.7	85.4	85.4	85.7	85.4	85.4
≥ 2500 ≥ 2000 ≥ 1800	87.2	89.7	89.3	90.1	90.3	86.6 90.3 92.9	90.3	7.2 7.3	90.3	90.3	90.3	90.3	90.3	90.3 93.0	90.3	90.3
≥ 1500	90.7	96.8		95.5	95.7	95.8	95.9	, ,	95.9	95.9		96.0		96.0	96.0	96.0 99.2
≥ 1000	92.4	97.6	98.4 98.4	99.0	99.4	99.5	99.7	99.7	99.7	99.7	99.8	99.0	99.9	99.5		99,9
≥ 800 ≥ 700	92.4	97.6	98.4	99.0		99.5	79.7	99.7	99.7	99.7	99.8	99.1	99.9	99.9	99.9	99.9
≥ 500	92.5	97.7	98.5	99.1	99.5	99.0	99.8	79.8	99.0	99.7	100.0	100.0	100.0	100-0		100.0
≥ 400	92.5	97.7	98.5	99.1	99.5	99.0	99.8	99.8	79.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	92.5	97.7	98.5	99.1	99.5	99.6	99.8	97.8	99.8	99.9	100.0	100.0			100.0	100.0
≥ 100	92.5	97.7	-2		49.5	99.6	99.8		99.8		100.0					

2039

USAF ETAC ALL 4 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AT WEATHER SERVICE/MAC

## CEILING VERSUS VISIB!LITY

40604 STATION

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KHAJALEIN HARSHALL IS/BUCHOLZ 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY CBSERVATIONS)

0000-0500

CEILING							VIS	BILITY (STA	NUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≳2	≥1%	≥1¼	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 2000C	47.2	47.7 59.7	47.7	39.7		47.7 59.2	47.7	\$9.2	47.7	59.2	59.2	47.7	47.7	59.7	47.7	47.7 59.2
≥ 18000 ≥ 16000	59.1	61.0	61.0	59.9 61.0	59.9	59.4 61.0	59.9 61.0	37.9 61.0	59.9	57.5 61.0	59.9	59.9	59.9	59.0 61.0		61.0
≥ 14000 ≥ 12000	73.0	79,1	65.0 74.1	74.1	45.0	55.0 74.1	74.1	74.1	74.1	74.1	45.0	74.1	74.1	45.0 74.1	74.1	74.1
≥ 10000 ≥ 9000	78.2	79.6	79.6 80.9	80.9	80.5	80.9	79.6	80.9	79.6	77.6	79.6	79.6	19.6	80.9	79.4 80.9	80.7
≥ 8000 ≥ 7000	80.7	82.4 82.4	82.4	82.4	82.4	82.4	82.4	82.1	82.4	82.1 82.4	82.1	82.4			82.4	
≥ 6000 ≥ 5000	81.3	83.0	83.0	83.0	83.0	83.0 83.0	93.0	63.0	83.0		83.0	82.6 83.0		83.0	83.0	83.0
≥ 4500 ≥ 4000	81.3	83.0	83.0	83.7		83.7	83.0	83.0	83.7	83.0	83.0	83.7	83.0	83.7	83.7	83.7
≥ 3500 ≥ 3000	82.4	84.0	84.5	84.6		34.0	84.6	54.6	34.6	84.1 84.6	34.0	84.5	84.1	84.1	84.1	84.1 84.6
≥ 2500 ≥ 2000	87.2	90.0	90.1	90.3	90.2	90+3	90.3	90.3	70.3	90.3	90.3	90.3	90.4	90.4	90.4	
≥ 1800 ≥ 1500	61.3	96.2	93.7	97.2	94.6	97.5	77.6	97.6	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2
≥ 1200	92.3	97.0	98.5	99.0		99.5	99.6	99.3	99.7	99.3	99.3	99.7	99.8	99.3	99.4 99.1	99.4
≥ 900 ≥ 800	72.3	97.9	98.5	99.0	99.5	99.5	24.9	99.7	99.7	99.8	99.8	99.1	99.8	99.8	99.9	99.4
≥ 700 ≥ 600	02.3 02.3	97.9	98.3	99.0		99.5	99.7	99.7	99.7	99.8	77.6	79.8	99.8	99.8	79.9	99.9
≥ 500 ≥ 400	92.3	97.9	98.5	99.0		99.5	99.7	97.5	99.8	97.8	47.8	77.5	99.9	40.0	99.9	99.9
≥ 300	92.3	97.9	93.5	99.0	99.5	97.5	99.7	99.8	99.8	97.5	99.9	77.8	100.0			100.0
≥ 100 ≥ 0	92.3		98.5	50.0		99.5		97.8	99.4	99.9	77.9			,		100.0

TOTAL NUMBER OF OBSERVATIONS.....

2199

USAF ETAC JULIA 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FURM ARE OBSOLETE

E DATA PRUCESSING BRANCH
USAF ETAC
AIR HEATHER SERVICE/MAC

40604 KWAJALEIN HARSHALL IS/RUCHILZ

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## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

44-72

0300-0300

CEILING							VIS	BILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥ 2	≥1%	≥1¼	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	45.3	45.8	45.8 56.7	45.8 55.7	45.8	45.8	45.8 36.7	٠. ٠ا	45.8	45.8 50.7	45.8	45.8	45.8		45.8	
≥ 18000 ≥ 16000	56.1	57.2	57.2	57.2 56.6	58.6	57.2 58.6	37.2	57.2 58.6	57.2		57.2	57.2	57.2	57.2 50.6	57.3	57.2
≥ 14000 ≥ 12000	71.4	72.0	72.0	72.1	41.7	72.1	61.7 72.1	72.1	61.7	72.1	61.7	72.1	61.7	61.7	61.7	61.7
≥ 10000 ≥ 9000	74.4	77.4	77.4	77.5 78.7	77.5	77.5	77.5	77,5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 8000 ≥ 7000	78.7 78.9	80.7	80.1	30.3	80.3	80.3	80.1 80.3	1,0k	80.1	80.1 80.3	90.1	80.1	HO.1	80.1 80.3	80.3	80.1 80.3
≥ 6000 ≥ 5000	79.1	60.5 60.8	80.5 80.9	31.0	81.0	80.6 81.0		0.08	50.6	81.0	80.6	80.6	80.6	80.6 81.0	81.0	80.6
≥ 4500 ≥ 4000	77.5	81.0	81.6	81.7	81.1	81.7	81.7	\$1.7	81.7	81.1	81.1	81.7	81.7	81.1 81.7	81.7	81.1
≥ 35(0 ≥ 3000	80.1 60.7	81.7	82.5	#1.7 #2.7	81.9	82.7	91.9 92.7	81.9	81.9	81.9	81.7	41.9	81.7	81.9	81.7	81.9
≥ 2500 ≥ 2000	67.4	82.9 88.4	93.0	3.1 3.0	88.9	81.7	83.1 88.9	83.1	88.9	81° 0	83.1	83.1	84.9	63.1 87.9	88.9	83.1
≥ 1800 ≥ 1500	58.8 50.7	94.8	93.4	45.0	92.7	96.8	92.7	90.7	92.7	96.4	72.7	76.4	92.7	92.7	96.4	92.7
≥ 1200 ≥ 1000	25.0	97.0	97.7	98.7	99.2	94.2	90.3	99.4	98.9	99.1	99.5	99.5	79.5	99.5	99.5	99.5
≥ 900 ≥ 800	95.0	97.I 97.Z	88.0	90.9	74.4	99.2	99.3	97.5	77.4	99.6 99.8	99.6	30.0	99.9	99.4	99.9	99.6
≥ 700 ≥ 600	72.0	97.2	68°0	99.9	49.4	99.4	99.5	99.5	99.5	99.6	99.8	19.8	34.4	99.4	60.0	99.9
≥ 500 ≥ 400	92.0	97.2	35.0	28.7	99.4	99.4	99.5	97.5	99.5	97.8	99.8	99.8	100.0	100.0	99.4 100.0	100.0
≥ 300 ≥ 200	92.0	97.2	98.0		99.4	99.4	99.5	99.5	99.5	97.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	25.0	97,2 97,2	98.0	38.9	99.4	99.4	99.5	99,5	99.5	99.6 99.8	97.8	79.8	100.0	100-0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2201

USAF STAC RESA 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PRUCESSING PRANCH USAF ETAC AIR MEATHER SERVICE/MAC

## **CEILING VERSUS VISIBILITY**

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KHAJALEIN MARSHALL ISTRUCHOLZ

44-72

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# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800 Hours (131)

CEILING							VIS	IBILITY (STA	ATUTE MIL	ES)						j
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥ ¾	≥%	≥⅓	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	37.9 53.2		37.9 53.4		37.9	37.9 53.4	37.9		37.9	37.9	37.9	37.9	37.5	37.09	37.7	
≥ 18000 ≥ 16000	55.2	54.0	55.4	35.4	35.4	54.0 55.4	95.4	54.0 55.4	54.0 55.4	54.0 55.4	55.4	34.0	54.0	54.0 55.4	54.0 55.4	54 d
≥ 14000 ≥ 12000	58.7 70.6	59,0 71,1	71.1	71.1	71.1	59.0 71.1	71.1	59.0 71.1	71.1	59.0 71.1	39.0 71.1	71.1	59.0 71.1	59.0 71.1	59.0 71.1	59.0 71.1
≥ 10000 ≥ 9000	77.5			76.4		78.4	79.9	78,4	78.4	70.4	78.4	78.4	74.4	78.4	74.4	78.4
≥ 8000	60.0 80.1		81.3		81.3 81.8				81.3	81.8	81.3	81.3	81.3	81,3	81.3	81.3
≥ 5000 ≥ 5000	80.8	82.6		82.7		82.7	82.7	82.7 82.7	82.1	82.7	82.7	82.7	82.7		82.7	
≥ 4500 ≥ 4000	81.4	82.8		63.6	83.8	83.0	83.8			83.0	83.9	93.0	83.9		83.0	83.0
≥ 3500 ≥ 3000	82.5 83.0	84.0 84.5 85.1	84.7 84.7	84.7	84.7	84.7	84.2	24.8	84.8	84.3	84.4	84.7	84.	84.8		
≥ 2500 ≥ 2000 ≥ 1800	89.2	88.7	89.1	85.4 89.1 92.2	85.4 89.1 92.3	89.1 92.3	85.4	85.4 89.2 92.5	89.2	89.2 92.5	89.2	89.2 92.5	89.2	89.2 92.5	85.4	89.2
≥ 1500 ≥ 1200	91.8		97.8	95.9		96.4	90.2	96.3	96.3	96.3	96.3	96.3	99.0	96.3	96.3	96.3
≥ 1000	93.2	97.0	98.	98.4 98.4	98.7	98.0	99.1	99.2	99.2	99.4	99.5	99.5	99.5	97.5	99.5	99.6
≥ 800	73.3	97.7	98.3 E 80	98.5	98.9	98.9	99.4	99.5	99.5	99.7	79.8	97.	99.5	99.9	99.0	4 7 7 7
≥ 700 ≥ 600 ≥ 500	93.3	97.7	98.3 98.3	98.5	98.9	98.9	99.4	99.5	99.5	99.8	99.8	19.8	100.0	100.0	100.0	100.0
≥ 400	93.3	97.7	98.3 98.3	98.5	98.9	98.9	99.4	99.5	99.5	99.6	99.8	99.0	100.0	100.0	100.0	100.0
≥ 100	73.3	97.7	98.3	98.5	98.9	98.0	99.4	99.5	99.5	99.8	99.8	79.0	100.0		100.0	100.0
≥ 0	93.3	47.7	98.3	98.5	96.9		99.4		99.5		99.8	99.8	100.0	100.0		

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_\_

2201

USAF ETAC 100 0-14 5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSORTE

DATA PROCESSING PRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604 STATION

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KRAJALEIN HARSHALL ISTBUCHULT

44-72

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 HOURS (LST)

CEILING							VIS	BILITY (STA	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥1%	≥1¼	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	35.0 52.8	35.6 52.8	35.6 52.8	35.6	35.6	35.6 52.8	35.6	35.6 52.8	35.6	35.6 52.8	33.6 52.8	35.6	35.6 52.8	35.6 52.8	35.6 52.9	l
≥ 18000 ≥ 16000	54.9	54.5	54.9	35.0	95.9 95.0	53.5 55.0	53.5 55.0	53.5 55.0	53.5	37.3 55.0	53.5 53.0	53.5 55.0	53.5 55.0	55.0 55.0	53.5 55.0	33.0
≥ 14000 ≥ 12000	59.0 71.5	71.8	71.8		71.9	71.9	71.9	59.1 71.9	59.1 71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 10000 ≥ 9000	80.5	79.5 81.3	70.5	79.5	79.3	77.5 81.4	81.4	79.5	79.5 81.4	11.4	79.5 51.4	79.5	81.4	81.4	111.4	81.4
≥ 8000 ≥ 7000	82.3	83.2	83.6	7. 4	83.7	83.3	83.4	83.4	83.4	83.7	83.7	#3.4 #3.7	83.7	83.7	83.4	83.7
≥ 6000 ≥ 5000	84.0	84.0	25.2	85.2	64.1 65.2	85.2	09.1 115.3	85.3	85.3	85.3	85.3	85.1	05.3	85.3	84.1 15.3	85.3
≥ 4500 ≥ 4000	84.1 84.9	86.3	83.4 83.3	86.4	85.4	85.4	85.5 86.4	85.5	85.3	85.4 85.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 3500 ≥ 3000	85.0 85.6	87.0	86.5	87.2	87.2	87.2	87.2	37.2	87.2	87.2	87.2	47.2	87.2	87.2	87.2	87.2
≥ 2500 ≥ 2000	89.7	91.6	51.8	91.9	91.9	91.9	31.9	91,9	91.9	91.9	71.5	91.0	91.9	91.9	71.9	91.9
≥ 1800 ≥ 1500	91.7 93.3 93.9	96.8	97.1	97.5	94.7	97.7	97.9	97.9	97.9	97.9	97.9	97.0	78.0	98.0	98.0	99.0
≥ 1200	93.9	97,0	98.3	98.0	49.0	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	97.9
≥ 900 ≥ 800 ≥ 700	93.9	98.0	72.4	98.9	99.2	99.2	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.4	99.5
≥ 700 ≥ 600 ≥ 500	93.9 93.9	98.0	98.4	98.9	99.2	99.2	99.5	99.6	99.6	99.6	99.7	99.7	99.8	99.8	79.8	99.8
≥ 400	93.9	98.0		90.9	99.2	99.2	99.5	99.6	99.6	97.6	99.7	99.7	79.8	99.8	99.9	99.9
≥ 200	93.9	98.0		98.0	99.2	99.2	99.5	99.6	99.6	99.6	99.7	99.7	79.8	99.8	99.9	100.0
≥ 0	03.9	4 " - "	98.4	98.9	99.2	99.2	11.	97.6		on"	99.7	99.7	99.	97.4		100.0

TOTAL NUMBER OF OBSERVATIONS\_

2200

USAF ETAC NI 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM APE OBSOLETE

DATA PRINCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

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KWAJALEIN HARSHALL IS/BUCHFILZ 44-72

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							VIS	BILITY (STA	TUTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2%	≥2	≥11/2	≥1%	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	32.9 51.7		32.9		32.9	32.9 51.8	32.9	32.7	32.4	32.0 51.8	32.9 51.8	34.9 51.8	32.9	37.0 51.8	32.9	51.8
≥ 18000 ≥ 16000	52.9 54.0	54.1	5à.0 54.1	53.0 54.1	33.0 94.1	53.0 54.1	33.0 54.1	53,0 54,1	53.0	93.0 54.1	54.1	53.0	53.0 54.1	54.1	33.0	54.1
≥ 14000 ≥ 12000	56.8 71.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8	58.9	58.9 71.8	58.9 71.8	58.9 71.8	71.8	71.8	71.6	700
≥ 10000	78.1		78.6 80.7	80.7	78.6	78.6 80.7	76.6	78.6 80.7	78.4 80.7 82.5	78.6 80.7	78.6 80.7 82.5	78.6 80.7 82.5	78.0 80.7	80.7	78.6 80.7	
≥ 8000 ≥ 7000 ≥ 6000	61.6 71.9 82.1		82.5 82.9			83.5 83.1	82.9	\$2.9 83.1	82.9	83.1	92.9 83.1	82.0 83.1	82.9		82.9 83.1	
≥ 6000 ≥ 5000 ≥ 4500	83.0	83.9	64.0 84.2			84.0	84.0 84.3	84.0	84.0			84.0	84.0			
≥ 4000	84.4	85.5	83.6	1	85.6	85.0	85.7	2 *	85.6			85.6	85.6		89.6	84.6
≥ 3000 ≥ 2500	84.5	85.8	89.9	85.0	45.9	87.0	85.9	85.9	87.0	87.0	87.0	87.0		87.0	87.0	87.0
≥ 2000 ≥ 1800	#0.3		91.3	94.3		94.4	94.4	94.4	94.4	91.5	94.4	94.4	94.4	94.4	94.5	
≥ 1500	94.2	97.7	98.2	96.9 98.4	98.4	98.5	98.7	98.7	98.7	97.2		90.4		nn i	1	99.0
≥ 1000 ≥ 900 ≥ 800	24.4		98.5	98.8	99.0	99.0	99.3	97.4 97.4	99.4	99.5	79.5	99.3	99.4	99.7	99.7	99.7
≥ 700 ≥ 600	94.4	98.0 98.0			99.1	99.1 99.1	99.4	79.5	99.5	99.6		79.7	79.2	99.8	99.9	99.9
≥ 500 ≥ 400	94.4			98.8	99.1	99.1	99.4	97.5	79.5	99.6	99.7	99.7	99.8	99.1	99.9	99.9
≥ 300 ≥ 200	94.4	98.0		A		99.1	99.4	77.5	99.5	99.6	79.7	99.7	99.1	97.8	39.9 99.9	100.0
≥ 100 ≥ 0	94.4					99.1	99.4	97.5				99.7	99.3	99.8		100.0

TOTAL NUMBER OF OBSERVATIONS

2199

USAF ETAC MA 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM APE OBSOLETE

DATA PROCESSING BRANCH USAF ETAG AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

40604

KWAJALFIN MARSHALL IS/BUC:10LZ

44-72

TIIL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥1%	≥1¼	≥1	≥%	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	30.0 44.7	30.1			47.9	30.1	30.1	30.1	30.1	30.1	30.1 49.9	30.1	30.1 49.9	30.1	30.1	30.1 49.9
≥ 18000 ≥ 16000	70. j	50.8 52,9		53.0	30.9	50.0 53.0	30.9 33.0	50.9 53.0	53.0	30.9 33.0		50.9 53.0	30.9		55.0	
≥ 14000 ≥ 12000	70.7	71.3	59.1 71.4	39.1 71.4	71.4	71.4	71.4	59.1 71.4	39.1 71.4	71.4	59.1 71.4	71.4	39.1	39.1 71.4	71.4	59.1 71.4
≥ 10000 ≥ 9000	77.4	78.7	78.2	78.3	70.3	70.3	78.3	79.0	75.3	78.3		78.3	78.3	70.3		70.5
≥ 8000 ≥ 7000	30.3	81.4	81.5	81.5	81.5	81.5	81.5	81.4	91.5	81.5	81.4	81.4	01.5	81.5	81.5	81.4
≥ 6000 ≥ 5000	80.4 81.2	01.6	62.4	81.7 82.5	82.5	81.7	82.5	82.5	02.5	81.7		82.3	91.7	62.9	82.5	82.5
≥ 4500 ≥ 4000 ≥ 3500	87.7 83.0	84.0	84.0 84.0	84.1	84.1	82.7 84.1	84.1	84.4 84.4	84.1	84.1	84.1	84.1	82.7	82.7 84.1	82.7	84.1
≥ 3500 ≥ 3000 ≥ 2500	83.2	84.6	84.6	84.7 85.5	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	94.4	84.7	84.4	84.7
≥ 2000	67.7	92.6	92.9	93.1	93.3	69.9	90.0	90.0	70.0	93.5	90.0	90.0	90.1	90.1	70.1	70.1
≥ 1500	92.2 93.5	97.3	93.8	98.2	46.1	96.1	98.8	96.8	96.4	96.5	96.5	90.5	94.6	96.6	96.6	,
≥ 1000	73.5	97.5	98.4	98.7	99.0	99.0	99.4	97.5	99.5	99.6	40.	99.7	79.6	99.8	79.0	99.8
≥ 800	93.5	97.6	98.5	98.8	99.0	99.1	99.5	99.5	99.5	99.7	99.5	99.0	99.9	99.9	99.4	99.9
≥ 600	93.5 93.5	97.6	98.5	98.0	99.1	97.1	97.6	99.6	99.6	97.5	99.8	99.8	100.0	29.9	100.0	100.0
≥ 400	93.5	97.6	78.5	98.9	99.1	99.1	99.6	97.6	99.6	99.8		99.7	100.0	100.0	100.0	100.0
≥ 200 ≥ 100	93.5	97.6	98.5	98.9	99.1	90.1	99.6	97.6			49.4	99.0	100.0		100.0	100.0
≥ 0	93.5	97.6	98.9	98.9	99.1	99.1	99.6	99,6	99.6	93.8		99.9	100.0	100.0	100.0	0.001

TOTAL NUMBER OF OBSERVATIONS \_\_

2199

USAF ETAC  $^{102M}_{AR.64}$  0-14-5 (OL 1) previous editions of this form are obsolete

DATA PRINCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604

C

KWAJALFIN HARSHALL IS/BUICHILZ 44=72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING							VIS	BILITY (STA	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥215	≥2	≥1%	≥1¼	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	32.7	33.0	33.0 51.8	33.0 51.7	33.0	33.0 51.9	33.0 51.9		33.0 51.9	33.0	33.0	33.0 51.9	33.0	33.0		33.0
≥ 18000 ≥ 16000	52.2 54.4	54.5 54.9	57.5	52.6 54.9	92.6	52.6 54.9	52.6		52.6 54.9	52.6 54.5	52.4 54.9	52.0	54.9	52.6 54.9		57.6 54.9
≥ 14000 ≥ 12000	39.3 70.0	99.8 70.5	70.5	70.6	70.6	70.6			70.6	70.6	57.9 70.6	70.7	39.9 70.7	39.9 70.7	70.7	70.7
≥ 10000	76.4 78.1	77.4	77.3	77.6	77.6			77,6	77.6	77.6	77.	77.7	77.7	77.8	79.7	77.8
≥ 8000 ≥ 7000	40.0 40.6	81.5	82.3		81.7 82.5	02.3		81.7	81.7	82.5	82.5	41.8				82.6
≥ 6000 ≥ 5000	81.0	82.5 83.1	87.4	82.9	77.9 83.6	83.9				83.6	83.6			83.0 83.7	83.7	83.7
≥ 4500 ≥ 4000	51.9 53.1	83.5	83.7 85.0		83.0	83.9 85.2	83.9	83.9 85.2	83.9	83.7	73.9 85.2		84.0 85.3	83.4	84.0	84.0
≥ 3500 ≥ 3000	93.0 84.1	43.3 05.7	86.1	85.8 86.3	45.8	85.8	10.3	85.8 86.7		86.3	86.3			86.4	86.4	86.0
≥ 2500 ≥ 2000	84.6	90.4	90.7	87.0 91.0	91.0	67.0 91.0	91.0	87.0 91.0	91.0	91.0	91.0	87.0	91.1	91.1	31.1	91,1
≥ 1800 ≥ 1500	89.7	97.8	4200 4	95.6	93.6	93.6 96.4	96.5	93.6		96.6	93.7		96.7	95.7	96.7	93.8
≥ 1200 ≥ 1000	92.4	97.1	98.1	98.1 98.7	49.1	99.1	99.4	99.4	99.4	98.6	99.6	99.7	99.7	99.7	94.4	99.7
≥ 900 ≥ 800	92.4	97.1	94.1	98.7	99.1	99.1	99.4	99.4	99.4	99.6	99.6	99.7	99.9	99.7	99.8	99.8
≥ 700 ≥ 600	37.4	97.1	64° 1	98.7	99.1	99.1	99.4	99.4	99.4	99.6	99.6	99.7	79.8	99.8	99.4	99.8
≥ 500 ≥ 409	32.4	97.1	98.1	98.7	99.2	99.2	99.5	99.5	99.5	99.7	99.7	99.6	99.9	100-0	100.0	100.0
≥ 300	92.4	97.1 97.1	98.1 98.1	98.7 98.7	99.2	99.2	99.5	99.5	99.5	99.7	99.7	94.8	100.0		A	100.0
≥ 100 ≥ 0	92.4	97.1	, 24 - 3	98.7		99.2	99.5				99.7	99.0	100.0		100.0	100.0

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_\_

2200

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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C.

DATA PROCESSING RRANCH USAF ETAC AIR MEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

40604

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KWAJALEIN HARSHALL ISYBUCHOLZ

44-72

2100-2300

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING				******			VIS	IDILITY (ST.	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥%	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	44.3	44.7	44.7 58.3	44.7	44.7	44.7	44.7	44.7 58.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 18000 ≥ 16000	50.4 50.4	58.9 60.3	58.9 60.3	59.0 60.3	97.0	59.0	54.0	57.0	59.0	39.0 60.3	59.0	59.0 60.3	59.0	59.0 60.3	59.4 60.3	57.0
≥ 14000 ≥ 12000	72.4	73.1	64.8 73.1	73.2	73.2	73.2	64.9 73.3	73.3	64.9 73.3	73.3	64.9 73,3	73,3	73.3	73.3	64.9	64.9 73.3
≥ 10000	78.2 79.5	79.3	79,3 80.7	79.3 80.8	77.3 10.8	80.8	80.9	79.4 80.4	79.4 80.9	79.4	80.9	79.4	79.4	79.4	79.4	79.4
≥ 8000 ≥ 7000	61.1	82.1 82.5	02.3	92.5	82.5	82.1	12.6	82.6	82.2	82.6	82.2	82.0	82.2	82.6	42.2 82.6	82.6
≥ 6000 ≥ 5000	81.9	82.7	03.3	83.4	93.4	83.4 83.4	83.5	83.5	83.5	83.5	82.9	83.5	82.5	87.5	82.9	83.5
≥ 4500 ≥ 4000	62.6 62.6	84.1	84.1	83.5	84.2	84.2	84.3	84.3	84.3	94.3	14.3	14.3	84.3	84.	73.7	84.3
≥ 3500 ≥ 3000 ≥ 2500	83.4	84.9	84.9	85.1	85.1	85.1	115.2	85.2	85.2	45.2	35.2	45.2	85.2	83.2	85.2	85.2
≥ 2000	87.8 09.5	90.1	90.5	90.7	90.9	90.9	71.0	91.0	91.0	91.0	91.0	91.c	91.0	91.0	91.0	91.0
≥ 1500 ≥ 1500 ≥ 1200	91.1	95,4	96.0	96.5	96.2	96.3	97.0	97.0	97.0	97.0	97.0	97.C	97.0	27.0	97.0	97.0
≥ 1000	92.3	97.7	98.5	90.1	99.6	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	79.9	77.00
≥ 800	92.3	97.7	78.5	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.3	100.0	100.0	100.0
≥ 500	92.3	97.7	98.5	99.1	97.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400 ≥ 300	92.3	97.7	98.5	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	00.0	100.0	100.0	00.00
≥ 200	72.3 92.3	97,7	98.5	99.1	99.7	99.7	100.0	00.0	100.0	100.0	100.0	100.0	100.0	00.0	100.0	0.00
≥ 0	92.3	97.7	95.5	99.1	49.7	99.7	100.0	00.0		100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS

2200

USAF ETAC MI M 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING RRANCH USAF ETAC AIR MEATHER SERVICE/HAC

### CEILING VERSUS VISIBILITY

40604

KNAJALFIN MARSHALL IS/BUCHILL 44-73

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING							VIS	BILITY (ST	ATUTE MIL	ŁS)	-					
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥%	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	44.2	45.1	45.1 57.9	45 1 57 7	45.1	45.1 57.9	45.1 57.9	45.1 57.9	45.1 57.9	45.1	45.1 57.9	45.1	47.7	47.1	45.1	57.9
≥ 18000 ≥ 16000	57.5	58,5 39,7	38.5 59.7	58.5 59.7	38.3 39.7	58 . 5 59 . 7	59.7	58.5 59.7	58.5 59.7	54.5 59.7	59.5 59.7	30.7	58.5	38.3	58.5 59.7	30.5 59.7
≥ 14000 ≥ 12000	70.4	72.5	72.8	72.7	72.9	43.1 72.9	72.9	63,1 72,9	72.9	72.9	63.1 72.9	72.0	72.9	43.1	72.9	72.9
≥ 10000 ≥ 9000	70.5	82.3	87.5	82.6	82.0	82.6	82.6	\$2.6	32.6	95.6	92.4	\$0.7 \$2.6	82.6	82.6	82.0	92.6
≥ 8000 ≥ 7000	81.5	63.6	84.1	84.8	84.2	84.0	84.2	84.2	84.2	84.2	64.2	84.8	84.2	84.2	74.2	84.2
≥ 6000	82.4	84.8	85.1	85.2	85.2	05.2	85.2	85.2	85.2	85.2	83.2	85.2	85.2	45.2	85.2	85.2
≥ 4500 ≥ 4000	83.1	65.0	09.4 09.9	96.0	86.2	86.0	85.0	\$6,0	86.0	86.0	80.0	0.00 0.00	86.0	00.00 0.00	86.0	70.0
≥ 3500 ≥ 3000 ≥ 2500	83.2	85.9	85.1	86.7	80.7	86.3	16.3	€0.3 €6.3	86.3	80.2	86.3	86.3	86.3	80.3	86.3	86.3
≥ 2500 ≥ 2000 ≥ 1800	86.4 05.7	69.9	90.1 93.7	90.3	90.4	90.4	90.4	90,4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1500	90.4	97.5	96.4	96.9	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1000	91.4	97.7	98.3	99.0	99.1	99.2	99.4	99.4	99.4	99.4	99.4	79.4	79.5	99.5	99.5	99.5
≥ 800	91.5	97.8	98.5	99.1	79.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 600 ≥ 500	71.5	97.8	98.3	99.1	99.4	99.5	99.7	99.7	99.7	99.8	99.3	99.9	100.0	99.7	99.9	97.9
≥ 400	91.3	97.5	98.5	90.2	79.5	99.6	99.7	99.7	99.7	99.9	99.9	79.9	100.0	100.0	100.0	100.0
≥ 200	71.5	97.9	98.5	99.2	99.5	99.6	99.7	99.7	99.7	97.9	99.9	99.7	100.0	100.0	100.0	100.0
≥ 0	91.5	97,9	98.5	99.2	99.5	99.6	79.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	

YOTAL NUMBER OF OBSERVATIONS\_

2201

USAF ETAC  $\stackrel{\text{FORM}}{\text{and all}}$  0-14-5 (OL 1) previous editions of this form are desolete

DATA PROCESSING BRANCH USAF ETAC ATR WEATHER SERVICE/HAC

# **CEILING VERSUS VISIBILITY**

KWAJALFIN HARSHALL IS/BUCHILZ 44-72

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							'S	iaility (st	ATUTE MIL	ES)						1
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	47.6	48.0 58.2	4%.0 58.2	48.0	45.0	48.0 58.2	48.0 98.2	46.0 58.2	44.0 58.2	48.0	44.0	48.0	48.0	48.0	48.0	48.0
≥ 18000 ≥ 16000	56.3 59.4	58.8 54.8	59.8 59.8	59.8	10.8	50 · 8	59.8	58.8 59.8	58.8	50.8 50.1	58.8 59.8	59.8	58.8	58.8 59.8	58 - 8 59 - 8	58.8
≥ 14000 ≥ 12000	63.0 71.3	72.4	63.5 72.4	77.4	63.5	72.4	93.5	63,5 72,4	63.5	63.5	63.5 72.4	93.5	72.4	63.5	63.5	72.4
≥ 10.00 ≥ 9000	77.5	78.8	78.9	78.9 80.5	74.9 80.3	78.9		79.0 80.6	79.0 80.6	70.0 80.6			79.0 80.6	77.0		79.0
≥ 8000 ≥ 7000	80.0	81.6 82.0	87.0	82.0	82.0 H2.3	82.0	02.3	\$7.0 82.3	82.0	82.0	82.0 82.3	82.0	92.3	0.58 C.58	82.0 82.3	82.3
≥ 5000 ≥ 5000	87.0	82.1	92.4 83.2	83.2	82.4	87.2	83.3	83.3	82.5	82.5 83.3	82.5 83.3	82.5 83.3	82.9	67.5 E4.68	72.5 83.3	82.5
≥ 4500 ≥ 4000	81.3	84,3	87.0 84.7	83.6	84.7	84.7	83.6	83.0	84.7	83.6	83.6	83.6	83.6	84.7	84.7	83.6
≥ 3500 ≥ 3000	82.5	84.3 84.4	84.7 84.2	84.7	84.7	84.7	84.9	34.7	~ ~ ~ ~	94.9	84.9	84.7	84.7	84.9	84.9	84.7
≥ 2500 ≥ 2000 ≥ 1800	82.9 80.2	5.08	89.5	90.0	90.0	35.5 50.0	90.0	95.6	20.0	45.6 90.0	90.0	90.0	90.0	50.0		90.0
≥ 1500	90.3	92.1 95.2 96.6	92.8 98.1	93.0 96.4 98.1	96.4	93.8 96.7 98.6	96.8	95.8	93.3	93.3	96.6	93.3	95.8	93.3	93.3 95.8	96.8
≥ 1000	91.5 91.5	97.0	97.7 98.1	70.1 98.7	98.5 39.3	99.4	99.6	98.7	99.6 99.6	99.7	78.7	79.7	99.8	99.6	99.0	98.7
≥ 900 ≥ 800 ≥ 700	91.5	97.0	98.1	96.7	99.3	99.5	99.7	99,7	99.7	99.9	97,9	79.9	79.9	99.4	99.4	99.8
≥ 600	71.3	97.0	98.1	98.7	90.3	99.5	99.7	97.7	99.7	90.0	97.9	99.9	99.9	99.9	99.9	99.4
≥ 400	71.5	97.0	98.1	98.7	99.3	99.5	99.7	99.7	99.7	99.9	99.9	19.0	100.0	100.0	100.0	00.0
≥ 200	91.5	97.0	98.1	98.7	99.3	99.5	99.7	99.7	79.7	99.7	99.9 59.4	49.9	160.0	100.0		00.0
≥ 0	91.5	97.0	97.1	98.7	99.3	99.5	99.7	99.7	99.7	99.0	79.9	99.5		4444	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS\_\_\_

2200

USAF ETAC KIR 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1

DATA PROCESSING RRANCH USAF ETAC AIR WEATHER SERVICE/HAC

### CEILING VERSUS VISIBILITY

40604

KWAJALEIN MARSHALL IS/BUCHOLZ

44-72

MIG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0060-0000 (121) 2800H

CEILING							VIS	IBILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥¾	≥%	≥½	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	40.7 54.9	40.7	40.7	55.0	40.7	40.7 55.0	40.7	40.7 55.0	40.7	40.7 55.0	40.7 55.0	40.7	40.7	ام تعوسا	40.7	40.7
≥ 18000 ≥ 16000	56.6		55.5 50.7	55.5	55.5	30.7	35.5 56.7	56.7	56.7	56.7	55.5	35.7	55.7	56.7	33.3 36.7	56.7
≥ 14000 ≥ 12000	70.4	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 10000	77.4	78.3 Bn.4	75.9 80.4	78.4 80.4	4 4 4	78.4	80.4	90.4	74.4 80.4	78.4 80.4 81.9	80.4	78.4 80.4	78.4 80.4	80.4 81.9	80.4	81.9
≥ 8000 ≥ 7000	50.5		81.9 62.3	82.3	82.3	82.3 82.3	82.3	82.3	82.3	82.3	82.9	32.3	82.3	82.3 92.6	82.3	82.3
≥ 6000 ≥ 5000 ≥ 4500	81.4 81.4	83.4	83.6 83.7	83.6 83.7	83.7	83.7	83.6	83.6	83.6	83.6	0.90	83.6	83.6	0 1 4	87.6	
≥ 4000	52.3	84.0	84.4	84.4	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	94.3	84.4	84.4	84.4
≥ 3000	A2.7	84.7	84.9	85.0	85.0	85.0	85.0	85.0	85.0	45.8	85.0	45.0	85.0	85.0	85.0	85.0
≥ 2000	86.3	92.2	92.0	89.4	93.1	93.1	89.3	99.5	93.2	93.2	93.4	93.2	37.2	93.2	93.2	93.2
≥ 1500 ≥ 1200	VI.5	95.7	99.9	76.2	96.5	90.5	98.0	96.6	76.6	96.7	96.7	98.7	16.7	98.0	96.7	96.7
≥ 1000	91.0	97.2	98.3	59.4	99.2	30.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	41.6	97.2	98.4	98.7	99.3	99.3	99.5		99.4	79.7	99.7	99.7	99.	99.7	10000	100.0
≥ 600	41.0	97.2	98.4	58°4	99.2	33.3	99.6	99.7	99.7	99.9	99.9	774	100.0	100-0	100.0	100.0
≥ 400 ≥ 300 ≥ 200	91.8 91.8	97.2	98.4 98.4	98.9	99.3	99.3	99.6	99.7	99.7	99.9	77.4	99.5	100.0	100.0	100-0	100.0
≥ 100 ≥ 0	91.8	97.2	98.4		99.3	99.3	99.6	97.7	99.7	99.9	99.4	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS\_\_

2200

USAF ETAC LUCA (L-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PRUCESSING BRANCH USAF ETAC AIR NEATHER SERVICE/HAC

### CEILING VERSUS VISIBILITY

KWAJALFIN MARSHALL IS/BUCHULZ 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING							VIS	BILITY (ST	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1%	≥1	≥¼	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	#N.1	38.2	38.2 54.6	38.2	18.2 34.6		38.2 54.0	38.2	38.2 54.6	38.2 54.6	38.2	38.2	38.2 54.6	38.2	78.7 54.6	
≥ 18000 ≥ 16000	94.5 56.5	54.9 56.6		34.9	56.4	54.9 56.6	54.9	56.6	54.9 56.4	54.9 55.6	54.9	54.0	54.9	34.9	54.9 56.6	54.9 56.6
≥ 14000 ≥ 12000	71.1	71.8		61.0	61.0 71.3	61.0 71.0	71.9	71.9	71.9	61.0 71.9	61.0 71.9	71.9	41.9	61.0 71.9	71.9	71.9
≥ 10000 ≥ 9000	70.3 H1.5	90,4 82,7	80.4	80.4	80.4	80.5 82.0		80,5	80.5	80.5 82.8	82.0	80.3	80.3	82.8	82.8	50.5 62.8
≥ 8000 ≥ 7000	82.5	84.0	84.3	84.8	84.0	34.3	84.1	84.3	84.3	84.3	84.4	34.4	84.1	84.01 84.4	84.4	84.4
≥ 6000 ≥ 5000	83.0		89.1	84.5 85.1	44.5	84.6 85.1	85.1	85,1	85.1	85.1	85.2	84.0	15.2	85.2	85.2	85.2
≥ 4500 ≥ 4000	84.4	85.3	85.3 84.2	85.7	85.7	85.4	85.4	\$6.2	85.4	86.2	85.4	85.4	85.4 86.3	86.3	86.1	86.3
≥ 3500 ≥ 3000	84.6	87.0	87.1	87.1	87.1	87.1	87.1	86.7	86.7	87.1	87.1	37.1	87.1	#7.1	87.1	86.7
≥ 2500 ≥ 2000	88.9	91.1	98.0	91.3	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.3
≥ 1800 ≥ 1500	91.2	94.1		97.0	97.2	94.5	97.4	97.5	97.5	97.5	94.7 77.6	97.6	94.7	94.7	94.7	97.6
≥ 1200	93.9	98.0	98.7	98.8		98.8	99.5	99.1	99.3	99.7	99.7	99.7	99.7	99.3	99.8	99.8
≥ 900 ≥ 800	93.9	98.1	98.7 98.7	96.8 95.8 98.6	99.1	99.1	99.5	99.5	99.5	47.7	34.9	99.7 99.8	99.6	99.7	99.8	99.8
≥ 700 ≥ 600	93.9 93.9	78.1	98.7	98.8	99.1	99.2	99.5	99.5	99.6	77.8	99.0	99.8	99.	99.1	99.9	100.0
≥ 500 ≥ 400	93.9	98.1	93.7	98.8	99.1	99.2	99.5	99.6	99.6	97.8	99.9	99.9	99.9	99.9	100.0	0.00
≥ 300 ≥ 200 ≥ 100	93.9	99.1	98.7 98.7	98.8	99.1	99.2	79.5	99.6	99.6	99.6	99.9	43.4	49.9	49.7	100.0	100.0
≥ 00	93.9	. ~	98.7			99.2		1 1 1			1 mar 1	90.9		99.9	San A ca	100.0

TOTAL NUMBER OF OBSERVATIONS.....

2201

USAF ETAC JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING RRANCH USAF ETAC AIR BEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

40604 SYXTION

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KVAJALFIN MARSHALL IS/BUCHILZ 44-7%

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	21%	≥1¼	≥ı	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	32.0	32.3	37.7 52.1	32.3 52.1	12.3 32.1	32.3	32.3 52.1	32.3 52.1	32.3 52.1	37.3	32.3 52.1	32.3 52.1	32.3	32.3	32.3 52.1	32.3
≥ 18000 ≥ 16000	54.2	52.7 54.3	57.7 54.3	54.3	52.7	54.3	92.7 54.3	\$2.7 \$4.3	52.7 54.3	52.7 54.3	57.7	52.7 54.3	52.7	52.e7 54.3	52.7 54.3	52.7
≥ 14000 ≥ 12000	72.3	72.9	59.1 72.9	\$7.1 72.9	72.9	72.9	72.9	72,9	59.1 72.9	72.9	59.1 72.9	72.4	72.0	72.0	72.9	72.7
≥ 10000 ≥ 9000	80.3	82.9	83.0	83.0	83.0	81.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0		83.0	83.0
≥ 8000 ≥ 7000	82.9 83.0	84.7	84.8	84.6	94.7	84.9		84.7	84.7	84.7	84.9	84.7		84.9	84.7	84.9
≥ 6000 ≥ 5000	83.8	85.3	85.3	85.3	15.0 15.4	85.4	8.5.4	85.4	85.4	85.4	85.0	85.4	85.4	85.4	89.4	85.4
≥ 4500 ≥ 4000	84.3	95.5	86.2	86.2	86.3	85.7	06.3	85.7	86.3	86.3	86.3	86.7	86.3	80.3	19.7 E. 68	80.3
≥ 3500 ≥ 3000	84.7	86.5	86.5	96.4	16.6	86.6	80.6	86.0	86.6	80.6	16.6	40.4 86.6	86.4	86.6	80.6	50 · 4
≥ 2500 ≥ 2000	85.7	91.0	91.1	31.1	91.2	41.5	91.2		91.3	91.3	71.3	91.1	91.3	91.3	91.3	91.3
≥ 1800 ≥ 1500	93.5	96.7	97.1	94.6	97.4	94.7	97.4	94.8	77.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1200 ≥ 1000 ≥ 900	94.5	98.1	98.A	98.9	99.2	99.2	99.3	99.4	99.4	99.5	99.4	99.6	79.7	90.7	99.1	99.8
≥ 800	94.5		98.8	99.0	99.3	94.3	79.3	97.4	99.4	99.5	99.7	99.7	99.	99.1	99.7	99.9
≥ 600	94.5		98.8	99.0	99.3	99.3	99.4	97.5	99.5	99.6	99.7	99.7	99.4	99.8	99.9	99.4
≥ 500 ≥ 400 ≥ 300	94.5	2 " 4 4	98.9	99.0	99.3	99.3	99.4	97.5	99.5	99.6	99.5	99.8	99.9	97,4 99,4	4 4 4 4	100.0
≥ 200	94.3	A4 .	98.8	99.0	99.3	99.3	99.4	97.5	99.5	99.6	99.6	99.0	79.9	99.9		100.0
≥ 100 ≥ 0	94.5		98.8	99.0	99.3	99.3	99°.4	97,5	99.5		74 B	99.1	* * * * *	99.9		100.0

TOTAL NUMBER OF OBSERVATIONS.

USAF ETAC MAGE U-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING PRANCH USAF ETAC AIR HEATHER SERVICE/MAC

# **CEILING VERSUS VISIBILITY**

VHAJELFIN MARSHALL ESTRUCHULL 44-72

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING			· · · · · ·				VIS	BILITY (STA	TUTE MIL	ES)		·				
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥4	≥%	≥%	≥ 5/16	≥4	≥0
NO CEILING ≥ 20000	30.2 50.7	30.8 7.08	30.7 50.7	30.7	30.7	30.2	30.2	30.2 50.7	30.2	30.2	30.2 50.7	30.2	30.2 50.7	30.2	30.2	
≥ 18000 ≥ 16000	51.7	51.7 57.4	57.4	51.7	51.7	51.7 53.4	51.7	51.7	51.7	51.7	51.7	51.7 53.4	51.7	51.7	31.7	31.7
≥ 14000 ≥ 12000	35.7 70.0	70,7	5d.9	35.9 70.8	70.8	70.6	70.8	58.5 70.8	70.8	70.8	58.9 70.9	70.0	70.3	38.º9 70.8		70.0
≥ 10000 ≥ 9000	78.1	79.4	79.4	79.5		77.9	81.4	79.5	79.5	79.3	79.5	79.9	79.5	79.5	79.5	79.5 81.4
≥ 8000 ≥ 7000	#1.0 61.3	87.7	83.2	83.2	83.4	83.0	83.0	83.4	83.0	83.4	83.4	83.4	83.4	83.0 83.4	83.0 83.4	#3.0
≥ 6000 ≥ 5000	81.0	84.0		84.1	03.7 04.2	84.2	84.2	84.2	83.7	84.2	83.7	84.2	83.7	84.2	#3.7 #4.2	84.2
≥ 4500 ≥ 4000 ≥ 3500	83.0 63.1	85.2	84.1 83.2 83.4	85.3 85.4	85.4 85.4 85.5	85.4 85.4	85.5	85.5	85.4	84.3 85.4 05.5	85.4	85.4	84.3	85.4	85.4	85.4
≥ 3000	93.3 53.0	85.5	89.6		85.3	85.8 80.3	85.8 80.3	85.8	85.4	85.8	65.8 86.3	45.5 44.8	85.8	85.8	85.8 86.3	86.3
≥ 2500 ≥ 2000 ≥ 1800	80.9	90.0	90.2 93.5	1 11 - 1	90.4	90.4	90.5	70.5	90.5	90.5	90.3	90.5	90.5	90.5		90.5
≥ 1500	92.0	95.6	96.0	96.5	98.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0		97.6
≥ 1000	92.0	97.5	98.3	1	99.2	99.2	99.5	97.5	99.5	99.0	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	72.0	97.5	98.3	98.7	99.2	99.3	79.6	99.6	77.6	99.7	99.7	49.0	99.8	99.8	99.8	99.8
≥ 600	92.0	97.5	98.3	98.7	99.3	99.3	99.0	97,6	79.0	99.7	99.7	99.8	99.4	99.0	99.9	99.9
≥ 400	92.0	97.5	93.3	98.	99.3	99.3	99.6		99.6	99.7	99.5	99.4	79.7	99.0	99.9	26°3
≥ 200	92.0		78.3	78.7	99.3	97.3	99.6		99.0		99.8	99.5	99.9	99.9	99.9	100.0
≥ 0	92.0	÷7.5		93.7		9947	99.6	99.6				·				100.0

TOTAL NUMBER OF OBSERVATIONS.....

2199

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

16

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KHAJALEIN MARSHALL TS/RUCHILL 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING							VIS	BILITY (ST	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥277	≥2	≥1%	≥1¼	ا≤	≥%	≥%	≥%	≥ 5/16	≥4	≥0
NO CEILING ≥ 20000	31.0 50.2	31.2 50.5	31.2		31.2	31.2	30.5	31.2	31.2	31.2	31.2	50.5	31.2	31.2	30.3	31.2
≥ 18000 ≥ 16000	53.2	51.7	53.5	51.7 53.5	31.7	51.7 53.5	53.5	51.7 53.5	51.7	51.7	51.7 53.5	31.7	53.3	51.7	53.5	51.7 53.5
≥ 14000 ≥ 12000	69.5	70.4	59.0 70.4	99.0 70.4	70.4	70.4	70.4	70.4	59.0 70.4	39.0 70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 10000	60.0	78.8 61.4	78.4 81.4	78.8	75.8	78.8 81.4	78.0	78.0 81.4	78.8 81.4	78.8 81.4	74.B	78.0	81.4	77.0	78.8	74.8
≥ 8000 ≥ 7000	81.0	83.8	83.8	83.8	43.8	83.8	93.9	83.9	83.9	87.9	83.9	93.0	83.9	83.9	83.9	83.7
≥ 6000 ≥ 5000	82.6 82.6	84.8 85.0	54.8	84.8	14.9	84.5	85.0	85.0	85.0	85.0	85.0	45.0	83.0	89.0	85.0	5.0
≥ 4500 ≥ 4000	03.9 54.0	86.1	85.0 86.0	86.1 86.2	10.2	80.3	00.2 00.2	86.3	86.2	95.2 46.3	86.2	96,2	86.2	86.2	16.2	\$6.2 \$6.3
≥ 3500 ≥ 3000 ≥ 2500	84.2	86.4	66.4	86.5 96.7	46.5	86.5	86.6	\$6.6	86.6	87.0	16.6	#6.¢	8613	87.0	84.6	40.0
≥ 2000	86.8		89.9	90.0	90.0	90.0	90.1	90.)	90.1	90.1	70.1	90.1	93.0	90.1	70.1	90.1
≥ 1500	90.4	95.2	97.5	96.0	94.4	96.4	99.0	96.5	96.5	90.5	79.1	90.5	74.6	79.1	79.2	70.0
≥ 1000	91.7	97.5	97.7	98.5	49.1	99.1	99.2	99.3	99.3	99.5	99.5	79.3	79.5	99.5	99.0	77.6
≥ 800	71.7	97.5	0.8.0 0.8.0	98.6	99.3	99.3	99.5	97.5	79.5	99.7	99.7	79.7	99.	97.8	99.0	99.8
≥ 600	91.7	97.5	98.0	98.6	99.3	99.3	99.5	99.5	99.5	99.7	99.7	79.0	99.8	99.9	79.9	24.4
≥ 400	\$1.7	97,5	98.0 98.0	98.5	99.3	99.3	99.5	97,5	99.5	99.8	79.4	79.9	100.0	100.0	100.0	100.0
≥ 200	91.7	97,5	98.0	98.6	99.3	99.3	79.5	99.5	99.5	97.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	91.7	97.5	98.0	98.6	امصد ا	99.3	99.5	99.5	79.5	77.8	99.9	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_

2200

USAF ETAC  $\stackrel{\text{FORM}}{\text{NLG4}} = 0\text{-}14\text{-}5 \text{ (OL 1)}$  pre-ious editions of this form are descrete

DATA PRUCESSING PRANCH USAF ETAC AIR MEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

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KNAJALFIN HARSHALL IS/BUCHOLZ 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 Hooles (1511)

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	<b>≥</b> 3	≥1⅓	≥1¼	≥ì	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	41.1 59.9	41.4		41.4		41.4	41.4	41.4 56.4	41.4	41.4 56.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 18000 ≥ 16000	58.1	56,7 58,5	0,4 0,4 5, 5,	56.9 58.8	1 7 2 7 .1	94.4 94.4	56.6	56.9 58.6	56.9	50.9	1 22 1	36.9	50.9 58.6	54.9 58.6	54.9	
≥ 14000 ≥ 12000	63.1		63.8	63.8		73.4	03.8	63.8 73.4	63.8 73.4	43.8	63.4 73.4	73.4	73.4	53.6 73.4	73.4	73.4
≥ 10000 ≥ 9000	31.2	82.8	80.5 84.58	82.8	82.5	\$0.5 62.0	82.8	92.5	80.5	87.5		80.5		80.5 82.9	80.5	
≥ 8000 ≥ 7000	82.7 82.9		84.9	84.9	85.0	84.6 85.0	84.0	85.0	84.6	85.0	03.0	84.6 85.0	95.0	35.0	85.0	85.0
≥ 5000 ≥ 5000	83.2	85.8	85.9		85.9	85.4	85.4		85.9	85.9	05.9	85.4	85.9	85.4	89.4	85.4
≥ 4500 ≥ 4000	84.0 84.7	86.9	84.9	86.0	7 7 7 7	8. 12 6.10	87.0	\$6.2 87.0	87.0	80,2	87.0	87.0		86.2 87.0	87.0	87.0
≥ 3500 ≥ 3000	85.0	87.4	87.0	87.4		87.0 67.5	87.5	87.5	87.5	87.0	97.5	87.9	07.5	87.5	87.5	87.0
≥ 7500 ≥ 2000	65.3 67.6	90.5	90.6	90.7	90.4	97.8 90.9	90.9	90.9	90.4	90.9	~ , • •	90.0	90.9	87.8 90.9	90.9	90.9
≥ 1800 ≥ 1500 ≥ 1200	92.1	96.0	94.0	96.7	96.8	96.8	97.0	27,0	97.0	97.0	97.0	97.0	97.0	1 4.3 4.3	94.4	97.0
≥ 1200 ≥ 1000 ≥ 900	92.2	97.6	98.0	98.6	98.8	98.8	99.1	99.2	99.2	99.3	99.3	99.3	99.3	94.2	29.3	99.3
≥ 800	92.3	98.0	98.3	98.9		99.1	99.6	97.8	99.8	99,7	1.2 * 3	99.9	74.9	99.0	79.9	99.9
≥ 600	92.3	98.0	92.4	99.0	99.2	99.2	29.7	99.9	99.9	100.0	100.0	100.0	100.0	100-0	100.0	100.0
≥ 400	92.3	98.0	9d.4	99.0	99.7	99.2	99.7	97,7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 30	92.3	98.0	98.4	99.0	19.2	99.2	99.7	77.9	79.9	100.0	100.0		100.0	0 0 0 0	100.0	100.0
<b>≥</b> 0	92.3						77.7	99.0			100.0					

TOTAL NUMBER OF OBSERVATIONS 2201

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING RRANCH USAF ETAC AIR HEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

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KRAJALFIN MARSHALL IS/BUCHDLZ 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1%	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	34.9	44.7 55.2		44.7 35.3	44.7 55.3	44.7	44.7 55.3	44.7 55.3	44.7	44.7 35.3	44.7	44.7	44.7	44.7	44.7	44.7
≥ 18000 ≥ 16000	55.8 57.5	56,2 57,9	54.2 57.9	50.2 57.9	96.7	56.2	36.2 97.4	56.2 57.9	56.2	36.2 57.9	56.2	36.2	50.2	39.2	56.2	56.2 57.9
≥ 14000 ≥ 12000	72.6	02.7 73.7	62.7 73.8	42.8	73.8	73.8	73.8	62.8 73.8	73.8	42.8	73.6	62.d	73.8	73.8	73.8	
≥ 10000 ≥ 9000	78.5	82.7	82.9	83,C	83.0	40.0 43.0	83.0	80.6	83.0	80.6 63.0	83.0	83.0	60.6 0.Ks	83.0	83.0	4 -
≥ 8000 ≥ 7000	81.6 82.1	84,1	84.0	84.5	84.6	84.6	84.6	84.1	84.1 84.6	84.0	84.6	44.6	84.6	84.1	84.1	84.1
≥ 5000 ≥ 5000	82.2 82.9	85.2	85.4	85.0	44.7	85.6	85.6	84.7 85.6	84.7	85.6	84.7	#4.7 #5.6	84.7	85.6	84.7 85.6	84.7
≥ 4500 ≥ 4000	63.0	85.3 86.0	83.5		16.5		85.8	86.5	86.5	86.5	85.8	45.8	85.	85.5	76.5	85.5 86.5
≥ 3500 ≥ 3000	84.1	86.7	96.3		87.1	160.5	87.2	87.2	87.2	87.2	86.6	87.2	87.2	87.2	86.4 87.2	87.2
≥ 2500 ≥ 2000	84.5	87.8	90.1	90.4	40.0	47.7 90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	30.7	90.7
≥ 1800 ≥ 1500	90.6	93.4		76.3	96.6	94.2 96.6	96.8	94.3	94.3	90.8	94.3 96.8	94.3	76.8	96.8	96.0	96.8
≥ 1200 ≥ 1000	91.9 91.9		98.4 98.4	28.4	99.5	98.7	99.4	97.8	99.8	99.8	99.0	99.0	99.9	99.9	29.9	99.0
≥ 900 ≥ 800	91.9	97.7	98.4	98.9	40.5	99.5	99.6	99.8	99.9	99.9	99.4	99.0	99.	99.9	99.9	99.9
≥ 700 ≥ 600	9 9	97.7	98.5	99.0	99.6	49.0	99.0	99,6	99.9	99.0	99.9	99.9	100-0	100.0	100.0	100.0
≥ 500 ≥ 400	91.9	97.7	98.5	99.0	99.0	99.0 99.0	99.9	99.9	99.9	97.9	99.9	77.7	100.0	100.0	100.0	100.0
≥ 300 ≥ 200 ≥ 100	01.9	97.7	98.5	97.0	99.4	99.6	99.9	99.9	79.4	99.9	79.9	99.7	100.0	100.0	100.0	100.0
≥ 100	01.0	97.7	93.5	99.0	99.6	97.6	99.9	99.9	99.4	99.9	99.4	10.7				100.0

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_\_

2130

USAF ETAC  $\stackrel{\text{form}}{\text{us 64}}$  0-14-5 (OL 1) previous editions of this form are obsolete

DATA PROCESSING PRANCH USAF ETAC AIR MEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604 STATION

( 6

KWAJALFIN MARSHALL IS/BUCHILZ

44-72

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1300-0500

CEILING							VIS	BILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥%.	≥¾	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	15.5 56.5	46.0 57.1	44.U 57.1	46.0 57.1	40.0	46.0 57.1	40.0 57.1	\$7.1	40.0	46.0 37.1	40.0 57.1	46.0	40.0 57.1	46.0	46.0	46.0 57.1
≥ 18000 ≥ 16000	58.8	38.7 59.4	54.2 59.4	58.7 59.4	58.7 59.4	56.2 59.4	59.4	58.2 59.4	59.4	58.2 59.4	58.2	39.4	59.4	58.2 59.4	56.2 59.4	58.2
≥ 14000 ≥ 12000	72.	73.5	73.5	73.5	73.5	77.5	73.5	73.5	63.5 73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 10000 ≥ 9000	77.9	82.2	79.7 82.2	82.2	19.8	79.0	77.8	77.8 82.3	79.8 82.3	82.3	77.8	79.8	02.3	19.8	79.5	79.8
≥ 8000 ≥ 7000	51.0	83.2 83.5	83.4 83.4	83.0	83.7	83.7	43.7	83.7	83.7	63.7	83.7	83.7 83.7	03.7	63.7	83.7	83.7
≥ 6000	81.7	84.5	83.7	84.6	83.9	83.7	94.7	84.7	84.7	84.7	83.7	84.7	83.9 74.7	84.7	84.7	87.9
≥ 4500 ≥ 4000	67.4 67.4	85.7	89.4	84.7 85.4	85.5	84.4	85.5	05.5	85.5	85.5	83.5	85.5	85.5	85.5	85.5	85.5
≥ 3500	H2.7	85.6	85.4 85.7	85.8	- V	85.7	85.9	#5.9	85.9	85.9	83.9	85.9	86.3	05.0 85.9	85.4	85.9
≥ 2500 ≥ 2000 ≥ 1800	#5.1 87.0	88.4	88.7	88.9 93.8	89.0 93.0	93.0	89.0	87.0	89.0	87.0	89.0	99.0 93.0	89.0		99.0 93.0	89.0
≥ 1800 ≥ 1500 ≥ 1200	89.1	94.4	98.0	95.6	90.0	96.0	96.1	96.1	96.1	96.1	76.1	90.1	96.1	90.1	99.9	96.1
≥ 1000	70.7	97.0	98.4	99.0	19.5	99.4	99.6	9.0	99.6	99.7	99.7	99.7	79.8		0 0 0	99.8
≥ 800	90.7	97.0	98.5	99.1	99.5	99.5	99.7	97.7	99.7	99.6	99.8	79.8	99.9	99.9	99.9	99.9
≥ 600	20.7	97.0	98.5	99.1	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 400	70.7	97.0	98.5	99.1	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.7	100.0	100.0	100.0	100.0
≥ 200	90.7	97.0	98.5	99.1	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.4	100.0	100.0	100.0	100.0
≥ 0	90.7			99.1	99.5	99.5	99.7	79.7	99.7	99.9	79.4	99.0	100.0		100.0	

TOTAL NUMBER OF OBSERVATIONS...

2179

USAF ETAC NU 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSCIETE

DATA PRICESSING BRANCH USAF ETAC AIR MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

40604

**€.** 150 €

KHAJALFIN MARSHALL IS/BUCHILZ

44-72

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING							VISI	BILITY (STA	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥21/2	≥2	≥1%	≥1¼	≥1	≥ ¥₄	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	34.2	34.3	34.3	34.3	49.8	34.3	49.8	34.3	3443	34.3	19.8	34.3	34.3	34.3 49.8	34.3	
≥ 18000 ≥ 16000	51.0 52.7	51.1	51.1 53.0	51.2	51.2 53.0	51.2 53.0	51.2 53.0	\$1.2 \$3.0	51.2 53.0	51.2 53.0	51.2 53.0	51.7	53.0	51.2	51.2 53.0	51.7
≥ 14000 ≥ 12000	37.2	57.6 68.5	57.5	57.6 68.7	97.6 68.7	57.6	57.6	57, 6 68.7	57.6 68.7	57.4 48.7	57.4	57.6	57.0	97.6 68.7	57.6 68.7	57.6 68.7
≥ 10000 ≥ 9000	75.5	70.0	74.4	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	
≥ 8000 ≥ 7000	79.5	81.7	81.0	81.4	81.4	81.4 81.7	01.7	B1.4	81.7	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 5000 ≥ 5000	80.2	81.0	83.6	03.6	43.6	82.3 83.0		\$2.3 \$3.7	82.3	82.3	82.3	43.7	42.7	83.7	83.7	87.7
≥ 4500 ≥ 4000	81.9	84.3	83.9 84.8	84.0 84.8	84.8	84.0 84.8	14.0	84,0	84.9	84.0	84.0 84.9	#4.0 #4.0	84.0 84.9	84.0	84.0 84.0	84.0
≥ 3500 ≥ 3000	87.6 87.6	84.7	59.3 85.5	85.7 75.0	85.8		85.3	85.4 85.9	85.4	85.4 85.9	85.9	85.4	85.9	85.4	85.4 84.0	85.9
≥ 2500 ≥ 2000 ≥ 1800	85.9	85.6	89.4 89.4	90.5 89.6	87.6	89.6	89.6	80,5	89.6	89.6	89.4	89.6	84.5	84.5		89.6
≥ 1500 ≥ 1500	89.6	96.1	94.6	94.9	92.1 95.1 97.8	95.1 95.1	95.3	95,4	95.4	95.4	72.3	92.3	93.4 93.4	95.4	92.3 93.4	95.4 95.4
≥ 1000	91.4	96.9	98.1	98.5	99.0	99.0	99.6	99.6	19.6	99.6	19.6	99.0	99.7	99.6	99.6	79.6
≥ 800	61.5 91.5	96.9	98.2	98.7	99.1	99.2	99.7	99.8	99.4	99.5	99.8	99.1	99.9	99.8	99.6	99.8
≥ 600	91.5	96.9	98.2	98.7	99.7	99.2	79.8	99.7	99.8	99.2	100.0	100.0	79.4	99.9	100.0	99.9
≥ 400 ≥ 300	91.5	96.9	98.7	78.7	99.2	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200 ≥ 100	91.5	96.9	98.3	789	99.2	99.2	39.6	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	91.3	96.9	98.3	98.7	19.2	99.2	99.8	99,9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS\_\_

2128

DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604

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CATA PROOFSSAG FORMS

KHAJELEIN MARSHALL IS/BUCHTLE

44-72

EP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING							VIS	BILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥14	≥1	≥ ¼	≥%	≥'5	≥ 5/16	≥¼	≥c
NO CEILING ≥ 20000	37.4 50.6	32.4 50.8	32.4 50.8	32.4	32.4	32.4 50.8	32.4 50.8	32.4	32.4	32.4 50.8	50,8	32.4	32.4	38.4	32.4	50.8
≥ 18000 ≥ 16000	53.4	51.0	53.6	51.4 53.6	33.6	51.8	31.8	51.8 53.6	51.8	51.0	51.8 53.6	51.8 53.6	51.8	51.8 53.6	51.6	51.0
≥ 14000 ≥ 12000	58.5 68.4	69.6	58.8	50.8 67.1	58.8	56.8 49.1	59.1	\$8.8 49.1	55.8	69.1	59.0	58.6	69.1	49.1	50.8	50.6
≥ 10000	79.3	78.1	78.2 80.9	70.2 80.9	78.7	78.2	78.2	78.2 80.9	75.2 80.9	78.3	78.3 81.0	79.3	78.3	78.3 \$1.0	78.3	78.3
≥ 8000 ≥ 7000	81.0	82.7	82.5	95.4	82.9	82.9	87.9	82.9	82.9	83.0	83.0	82.4	83.0	83.0	83.0	83.0
≥ 6000 ≥ 5000	81.0	84.2	87.4	H4.4	44.4	84.4	84.4	84.4	84.4	04.5	84.5	84.5	83.0	84.5	83.6	84.5
≥ 4500 ≥ 4000	77.9	94.9	85.3	84.0 85.3	85.3	84.6 85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	84.4 83.4	84.6	85.4
≥ 3500 ≥ 3000	83.5	85.5	85.5	86.0	65.0	65.5 66.0	86.0	80.0	86.0	\$6.0	80.0	86.0	10.0	- TV	86.0	80.0
≥ 2500 ≥ 2000	94.0 98.9	90.7	70.3	20.0	90.4	90 et	70.4	90.4	90.4	90.4	70.4	90.4	90.4	90.4	90.4	90.4
≥ 1800 ≥ 1500	91.1	95.2	96.0	93.3 96.1	40.5	93.5	76.6	96.6	75.0	96.7	96.7	96.7	93.7	96.7	93.7	96.8
≥ 1200 ≥ 1000	93.1	97.2	78.1	98.3	98.4	99.0	99.3	99.3	99.3	99.5	92.5	79.5	99.6	99.0	99.7	99.7
≥ 900 ≥ 800	92.1	97.2	98.3	98.4	99.1	99.1	97.4	97.4	99.4	99.6	99.5	79.5	99.7	49.4	99.9	99.9
≥ 700 ≥ 600	02.1	97.3 97.3	98.2	98.4	99.1	99.1	99.4	99.4	99.4	99.6	92.6	99.7	99.	77.4	100.0	100.0
≥ 500 ≥ 400	92.1	97.3	94.7	98.4	99.1	99.1	33.4	97.4	99.4	97.6	34.0	79.7	99.9	99.49	100.0	100.0
≥ 300 ≥ 200	35°1	97.3	98.2	98.4	99.1	99.1	99.4	97,4	99.4	99.6	72.6	49.7	99.9	99.9	100.0	100.0
≥ 100 ≥ 0	45.1	97,3	48.5 48.5	98.4	99.1	97.1	35.4	99,4	99.4	99.6		49.7	99.9		100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2130

USAF ETAC  $^{\text{FORM}}_{\text{AUI-64}} = 0.14.5 \, \text{(OL~1)}$  previous estimans of this form are obsolete

DATA PRICESSING PRANCH USAF ETAC AIR WEATHER SERVICE/HAC

### **CEILING VERSUS VISIBILITY**

KWAJALFIN MARSHALL IS/BUCHILL 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST.	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1%	≥1	≥%	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	71.5 50.8	31.5	31.5 50.8	31.5 50.8	31.5	31.5 50.8	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	
≥ 18000 ≥ 16000	51.8 53.5	51.8 53.5	51.E 53.5	31 . B	31.5	51.8 53.5	51.8	51.7	51.6	51.8	51.8	51.d	51.5	51.8 53.5	51.4	51.5
≥ 14000 ≥ 12000	50.2	58.2	WIS WIS	59.2 69.5	58.2 67.6	5.86 4.94	16.5	58,2	69.6	\$5.2 67.6	58.2	58.2	54.2	59.8	24.5	55.2
≥ 10000 ≥ 9000	77.3	70.1	78.1	78.1 80.4	78.1 80.4	78.1 80.4	78.1 80.4	78,1 80.4	74.1	78.1 60.4	78.3 80.4	78.1 80.4	74.1	78.1	78.1	79.1
≥ 8000 ≥ 7000	81.0	81.4	3 * 1	82.U	82.1	81.7 82.1	81.7	81.7 82.1	82.1	81.7	81.7	81.1	81.7	82.1	91.7	81.7
≥ 5000 ≥ 5000	32.0	82.4	62.4 83.2	93.3	93.3	22.5 53.3	93.3	82.5	83.3	83.3	32.5	83.3	82.5	82.5	#2.5 #3.1	87.5 83.3
≥ 4500 ≥ 4000	63.5	83.4	81.5	83.5	84.0	83.4	84.6	83.6 84.5	84.6	84.5	84.6	93.6	83.6	84.5	HA.C	84.5
≥ 3500 ≥ 3000	83.5	84.8		34.7	85.1	84.0 85.1	84.6	84.5 85.1	85.1	85.1	84.8	84.0 85.1	85.1	89.1	84.8	84.0
≥ 2500 ≥ 2000	87.1	89.4 89.8	90.1	90.2	90.3	90.3	70.3	85.8 50.3	90.3	90.4	89.4 90.4	90.4	90.4	90.4	90.4	90.4
≥ 1800 ≥ 1500	92.3	92.7	94.7	96.4	94.6	93.5	98.7	95.7	96.7	95.5	73.5 46.8	93.3	73.5	94.8	73.5	93.5
≥ 1200	93.3	97.6	98.5 98.5	98.4 98.8	98.7	99.7	79.5	99.6	99.4	99.5	99.8	99.8	99.1	97.1	79.1	67.8
≥ 900 ≥ 800 ≥ 700	93.3	97.8	98.5	99.8	79.3	99.3	99.6	29.7	99.7	97.8	99.9	99.9	99.9	99.9	79.9	99.4
≥ 600	93.3	97.0	94.5	98.8 98.F	99.3	99.3	39.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.0
≥ 500 ≥ 400 ≥ 300	93.3	97.5	98.5	98.8	99.7	99.3	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9 100.0	99.9
≥ 200	93.3	97.8	98.5	98.8	99.3	99.3	99.6	99.7	99.7	99.9	99.9	99.7	100.0	100-0	100.0	100.0
≥ 100	93.3	97.8	_ = =	98.8	79.3	99.3	99.0	99.7	99.7	99.9	99.9	79.4	100.0	100.0	100.0	100.0

2130 TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

USAF ETAC NA 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PRINCESSING PRANCH USAF ETAT AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

40604 STATION

ENAUGHT IN HARSHALL IS / BLICHILZ

44-72

SEP MONIH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VIS	IBILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥ 2	≥1%	≥1%	≥ì	≥ ¼	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	28.3 50.0	20.3	28.3 50.1	28.3 36.1	28.3 50.1	20.3	28.3	28.3	28.3	50.1	20.3	28.3 50.1	28.3	28.7 50.1	28.3	20.3
≥ 18000 ≥ 16000	50.] 53.1	50,8 53,1	50.8 53.1	33.1	50.8 53.1	59.1	53.1	50.8 53.1	50.0	50.8 53.1	50.8 53.1	30.8 53.1	50.	50.0	50.8	50.0
≥ 14000 ≥ 12000	\$1.2 60.3	58,3 69,9	28.3 70.0	58.3 70.0	70.0	58.3 70.0	70.0	70.0	70.0	56.3 70.0	70.0	70.0	70.0	98.3 70.0	70.0	70.0
≥ 10000	77.3	78.2	78.3		75.A HO.A	78.4 80.0	80.8	78.4 30.7	74.4	78.4	78.4	78.4	80.0	80.8	80.8	78.4
≥ 8000 ≥ 7000	81.1	85.0	87.1	37.1	93.1	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	Hara Iorh	83.1	83.1
≥ 6000 ≥ 5000	82.4	83.3	84.6	83.0 84.6	84.6	84.6	84.6	83.5 84.6	84.6	84.6	94.5	84.4 84.4	84.4	83.9	83.5	84.6
≥ 4500 ≥ 4000	83.1	85.2	85.4	85.4	85.4	85.4	85.4	25.4	85.4	85.4	85.4	85.4	05.4	85.4	44.4	85.4
≥ 3500 ≥ 3000	83.7	86.0		80°5	86.2	3600	20.2	36.2	56.2	66.2	00.2	30.2	89.2	84.8	86.2	84.2
≥ 2500 ≥ 2000	86.7	89.8		80.5	40.3	3 · 08	30.5	90.2	90.2	90.2	90.2	90.2	90.2	90.2	70.2	90.2
≥ 1800 ≥ 1509	81.0	95.9	96.4	93.0	90.0	93.9 96.6	74.8	96.9	96.9	74.0 70.5	96.9	96.9	97.0	97.0	97.0	
≥ 1200 ≥ 1000	V2.0	97.5	98.5	48.8	96.5	98.5 98.9	99.1	33.5	99.2	99.3	79.3	99.3	99.4	99.4	99.5	99.3
≥ 900	92.6 92.6	97.7	98.5	98.8	98.9	99.1	99.4	99.2	99.5	99.6	99.0	99.6	99.	99.8	99.5	97.5
≥ 700 ≥ 600	35.0	97.7	98.5	98.5	98.9	97.1	79.4	99.5	99.5	99.6	99.6	99.6	99.	97.40	99.9	99.9
≥ 500 ≥ 400	92.0 92.0	97.7	98.5	98.8 98.8 98.8	48.4	99.1	99.4	97,6	99.6	99.7	99.7	77.7	99.9	79.9	100.0	100.0
≥ 300	92.6	97.7	2, <u>F</u> 2	98.0	40.4	94.1	99.4	97.6	77.0	99.7	99.7	94.7	99.9	95.4	100.0	100.0
≥ 100 ≥ 0	35.0	97.7	98.5	98.8	98.4	94.1	99.4	99.6	99.6		99.7	99.7	99.9	33.4	100.0	0.001

TOTAL NUMBER OF OBSERVATIONS...

8515

USAF ETAC NA 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PRICESSING PRANCH USAF ETAC AIR HEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

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KNAJALEIN HARSHALL IS/RUCHOLZ 44-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING			-				VISI	BILITY (STA	TUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥ı	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	49.8	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	49.9		31.5		49.9	49.9	49.9
≥ 18000 ≥ 16000	50.9	31.1	51.1	31.1 53.9	51.1	51.1	93.9	51.1 53.9	51.1 53.9	51.1		51.1	53.9	53.4	51.1 57.9	53.0
≥ 14000 ≥ 12000	70.9	58.5 71.5	5世·5 7]·5	71.6	71.6	71.6	9	71.0	71.6	71.6	71.6	71.6	35.6 71.6	71.6	58.6 71.6 79.7	71.5
≥ 10000 ≥ 9000	70.6	81.7	81.3	111.4	70.7	81.4	81.4	79,7	79.7 81.4	79.7 81.4 83.5	83.5	81.4	61.4	01.4	81.4 83.5	81.4
≥ 8000 ≥ 7000	97.4	83.7	89.4 83.8 84.0	83.9	83.9 83.9	83.9 84.1	83.9	83,9 83,9	83.9	83.9	83.9	84.1	H3.9	84.1		
≥ 5000 ≥ 5000	91,2	63.9 84.7	84.8	84.0	85.E	89.0 89.4	85.0	85.0 85.4	85.4	A 46	115.0	85.0	85.0	1 .7	85.0	85.0 85.4
≥ 4500 ≥ 4000 ≥ 3500	84.5	86.1	86.3	86.4		86.5 87.0	86.5	87.0	86.5	80.5	86.5	86.5	87.0		86.5	
≥ 3000	85.4	86.9	87.1	87.0	87.3	87.3	87.3	87.3	88.0	87.3	89.0	87.1	38.0			
≥ 2000	87. A	90.3	90.5	90.5	93.4	93.4		93,4	93.4	90.7	73.4	93.4	93.4	90.7	93.4	90.7
≥ 1500	92.5	97.2	97.6	95.4	98.2	98.2	98.4	48.4	98.4	98	96.1	90.	94.	96.1	76.1	96.1
≥ 1000	92.7	97.0	97.5	98.4	98.9	98.9	99.2	99.7	99.	99	99.3	99.	99.3	97.3	49.3	99.3 99.8
≥ 800 ≥ 700 ≥ 600	65.8 65.8	97.7 97.7	98.	98.5	99.1	99.2	99.7	99.7	99.	99.	79.8	99.	99.	99.9	99.9	99.9
≥ 500 ≥ 400	92.9	97.7	98.	98	99.1	99.	99.	99.7	99.	99.5	99.9	99.	99.	99.9	100.0	100.0
≥ 300 ≥ 200	92.0	97.	70.	98.	99.1	99.	99.1	99.7	99.	99.	99.9	79.	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	92.0		98. 98.	98.		99.	99.	99.7	99.	, ,	97.9	79.	100.0	0100.0		100.0

TOTAL NUMBER OF OBSERVATIONS 2126

USAF ETAC 100 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING ARABCH USAF ETAC AIR REATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40404 STATION

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HALJALEIN MARSHALL IS/BUCHEILZ 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS ((\$1)

CEILING							VIS	IBILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	λī	≥¾	2%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	67.0 54.5	47.0	42.0	52.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	a	42.0	47.0
≥ 18000 ≥ 16000	55.2 57.3	55.3	57.6	4-7-	35.4	55.4 57.6	55.4	55.4 57.6	55.4 57.6	55.4 57.6	57.6	35.4 57.6	53.4	57.6 57.6	57.6	35.4 57.6
≥ 14000 ≥ 12000	61.9	74.7	74.7	62.3 74.8	62.3 74.8	\$2.3 74.8	02.3 74.8	\$2.3 74.8	62.3 74.8	62.5 74.5	62.3 74.8	42.3	**************************************	62.3 74.8	62.3	74.
≥ 10000 ≥ 9000	80.2 P1.5	85.8	81.4 87.8	2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2	97.9	82.5	92.9	\$1.5 82.9	82.9	52.9	92.9	#2.9	81.5	ない。	81.3	21.9
≥ 8000 ≥ 7000	83.1 83.5	84.5 84.5	84.5	34.0	44.0 85.0	89.0	85.0	84.6 85.0	85.0	84.6 85.0	85.0	44.4	85.0	84.6 85.0	84.0	85.0
≥ 6000 ≥ 5000	84.0	85.2	84.3		85.3	85.3 86.3	85.3 86.4	\$5,3 \$0.4	85.3	85.3 86.4	85.3	#5.3 #6.4	85.4	#3.3 #6.4	85.3 86.4	86.
≥ 4500 ≥ 4000	83.4	86.4	85.4 85.9	85.7 87.2	85.8 87.3	87.3	10.0 17.4	80.8 47.4	86.4 87.4	87.4	87.4	40.9 87.4	87.4	86.8 87.4	87.4	87.4
≥ 3500 ≥ 3000	35.7	87.3	57.3 67.7	49.0	84.1	87.7	84.2	\$7.8 \$8.2	84.2	\$7.8 \$3.2	87.8 88.2	47.0	87.2	88.2	88.6	87.8
≥ 2500 ≥ 2000	94.0	90.7	90.8	91.2	91.3	91.7	91.4	91,4	91.4	91.4	41.4	71.4	91.4	80.9 91.4	91.4	91.
≥ 1800 ≥ 1500	90.6	93, l	99.7	96.4	95.7	93.8	94.0	96,9	96.9	96.9	76.9	96.4	94.0	96.9	94.0	94.0
≥ 1200 ≥ 1000	93.2	97,6	27.5	98.7	93.0	99.2	99.6	99.6	78.9	97.7	77.6	99.0	79.0	99.8	99.0	99.6
≥ 900 ≥ 800	93.2	97,7	97.9	98.8 98.8		99.3	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100-0	100.0	100-(
≥ 700 ≥ 600	93.2	97.7 97.7	98.0	98.9	99.5		99.8	99.9	90.9	100.0	100.0	100.0	100.0	100.0	100.0	100 (
≥ 500 ≥ 400	93.2	97.7	98.0	98.9	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	93.2	97.7	98.0	98.9 98.9	99.5	99.5	77.0	99.9	19.9	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0
≥ 100 ≥ 0	73.2	97,7	38.0 38.0			97.5					100.0					

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JULGE 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BEANCH USAF ETAC AIR REATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

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KWAJALTIN MARSHALL IS/NICHTLL 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0209 HOURS (( \$1)

CEILING							VIS	IBILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1½	≥1¼	≥1	≥%	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	40.3	40.4	51,2	51.2	40.4	40.4	91.2	51.2	40.4	91.2	40.4	40.4	40.4	51.2	31.5	
≥ 18000 ≥ 16000	\$1.7 \$3.2	51.9 53.5	53.9	53.5	51.5	51.9 53.5	51.9 53. <b>5</b>	51.9 53.5	51.9 53.3		51.9 53.5	51.9 53.5	53.5	53,5	51.9	
≥ 14000 ≥ 12000	70.0	71.4	58.4 71.4	58.4 71.6	71.4	58.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	58.4 71.4	71.4	71.4
≥ 10000 ≥ 9000	77.0	78.6	78.0 80.1	80.2	80.2	80.2	60.3	78.8 80.3	78.8	80.3	80.3	80.3	00.3	80.3	74.8	74.1
≥ 8000 ≥ 7000	81.0	82.5	87.9	82.5	42.5	62.5 82.6	82.7	82,6	82.7	82.7	52.7	#2.7	82.7	0.58 7'-58	82.7	82.7
≥ 6000 ≥ 5000	81.7	87.7	02.7 03.3	82.3	83.3	93.3	82.4	82.8	83.4	#2.8 #3.4	83.4	83.4	82.0	83.4	83.4	83.4
≥ 4500 ≥ 4000	81.9 82.3	84.0	84.2	44.3	83.7 84.3	84.3	84.4	84.4	53.8 84.4	84.4	84.4	84.4	84.4	84.4	84.4	54.4
≥ 3500 ≥ 3000	57.4 57.6	84.4	04.0	84.7	84.8	84.8	84.8	84.5	84.8	84.8	44.0	34.0	84.8	84.8	84.8	84.8
≥ 2500 ≥ 2000	53.1 55.7	88.3	98.9	49.0	19.1	59.1	89.1	87.1	89.1	89.2	89.2	89.2	89.7	87.2	89.2	89.2
≥ 1800 ≥ 1500	89.9	94.7	95.0 95.0	95.3	95.5	75.6	95.6	62°9	92.6 95.6	95.7	95.7	95.7	75.7	75.7	99.7	75.7
≥ 1200 ≥ 1000	91.5	97.2	98.5	99.0	99.3	99.3	99.5	99.5	99.5	97.6	79.0	79.0	79.6	99.6	99.4	99.6
≥ 900	21.5	97.2	98.5	99.0	99.3	99.3	99.5	77.6	99.5	90.7	99.7	99.7	27.8	99.8	94.8	99.1
≥ 700 ≥ 600	91.5	\$7.3	9 3 3	99.0	99.3	29.3	99.0	99.6	99.6	99.8	99.	99.4	39.9	99.9	79.4	99.9
≥ 500 ≥ 400 ≥ 300	91.5	97.3	98.5 98.5	99.0	99.3	99.3	99.7	99,7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	91.5	97.3	98.5	99.0	99.3	79.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	41.5		98.5	99.0	99.3	99.3	99.7	97.7	99.7	4 4 44 44	100.0			100.0		

TOTAL NUMBER OF OBSERVATIONS...

219#

USAF ETAC ALSO 0 14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR MEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

40604

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WWASALEIN HARSHALL IS/BUCHILZ 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST.	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥ı	≥¼	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	42.0	42.3 51.6	42.3 51.6	42.3 51.6	42.3	42.3 51.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 18000 ≥ 16000	\$2.1 \$3.3	52.5 53.7	57.3 53.7	\$2.5 33.7	52.5	52.5 53.7	52.5 53.7	52.5 53.7	52.5	72.5 53.7	52.5 53.7	52.5	52.5	52.5	32.5	57.7
≥ 14000 ≥ 12000	57.2 64.4	57,7 70,2	57.7 70.3	37.8 70.3	70.3	57.8 70.3	70.3	57.6 70.3	57.8	37.8 70.3	57.8 70.3	70.3	57.8	57.0 70.3	97.0 70.3	57,d 70.3
≥ 10000 ≥ 9000	76.3	77.0	77.7	77.8	77.8	77.8	77.0	77,8	77.8	77.8	77.8	77.8	77.8	77.4	77.8	77.0
≥ 8000 ≥ 7000	79.3	81.1	81.0	#1.3	81.1	#1.1	81.3	81.1 81.3	31.1 81.3	81.1	#1.1 #1.3	81.1	81.1	81.1	1.1B	81.3
≥ 5000 ≥ 5000	79.5	81.6	81.7	81.7	81.7	81.3	81.7	81.7	81.7	81.7	81.3	81.3	81.7	81.7	81.3	81.7
≥ 4500 ≥ 4000	\$0.0 40.5	\$1.6 82.4	83.0	81.7	82.7	32.7	81.9	87.7	81.9	81.7	52.7	81.9	82.7	42.7	81.9	長1.9
≥ 3500 ≥ 3000	10.0	82.9	83.0	83.0 83.2	83.2	83.0 43.2	83.0	83.2	83.0 83.2	#3.00 #3.2	83.0	63.0	83.2	83.0	83.0 83.2	83.2
≥ 2500 ≥ 2000	84.7	87.4	84.0 87.7	44.0 47.8	87.9	34.0	87.9	84.0	87.9	84.0	87.9	84.C	84.0	84.0 87.9	84.0	84.0
≥ 1800 ≥ 1500	50.6 59.4	93.9	94.4	90.0	95.7	95.2	75.3	91,1	91.1	95.4	95.4	95.4	75.4	91.1	91.1	95.4
≥ 1200 ≥ 1000	\$1.5 \$1.5	97.0 97.3	98.4	99.0	99.3	99.4	99.7	99.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900 ≥ 800	71.5	97.3	98.4 98.4	99.0	99.3	99.4	99.7	97.5	99.8	99.9	99.7	19.7	99.7	99.9	99.9	99.7
≥ 700 ≥ 600 ≥ 500	91.5	97.3	98.4	99.0	90.3	99.4	99.8	97.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500 ≥ 400 ≥ 300	91.5	97.3	78.4	99.0	79.3	99.4	99.6	99.9	79.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	91.5	97.3	98.4	99.0	99.3	99.4	99.8	99.9	99.9	100.0	100.0	100-0	100.0	100-0	100.0	100.0
ا قُنْ خَ	91.5	97.3	98.4	ñ,eë	99.3	97.4	99.8	99,0			100.0	100.0	00.0	100.0	100.0	100.0

2198 TOTAL NUMBER OF OBSERVATIONS\_

USAF ETAC ANI 64 0-14-5 (OL 1) PPENOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR NEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604

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DATA PROCESSAGE FORMS

KHAJALEIN HARSHALL ISTRUCTULZ

44-77

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0000

CEILING							VIS	IBILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1%	≥۱	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	34.1 48.3	34.3	35.3	34.3 48.5	74.3	34.3 48.5	34.3	34.3 48.5	34.3 48.5	34.3	34.3	34.3	34.3	34.3	34.3 48.5	34.3
≥ 18000 ≥ 16000	40.2	49.2 50.4	49.2	50.4	49.2	40.4	49.2	49.2 50.4	49.2	49.2 50.4	49.2	49.2 50.4	49.2	472 50.4	49.2 50.4	\$9.02 50.4
≥ 14000 ≥ 12000	70.4	56,1 71,1	5g.]	50.1 71.1	71.1	56.1 71.1	71.1	56,1 71,1	71.1	56.1 71.1	71.1	36.1 71.1	71.1	71.1	71.1	54.1 71.1
≥ 10000 ≥ 9000	78.5 79.9	81.3	91.3	79.0 81.3	41.3	79.9	79.9	79.7 81.3	79.9	81.3	79.9	79.9 51.3	79.9	79.49 81.3	79.9	81.3
≥ 8000 ≥ 7000	81.4	13.1	83.2	83.2	83.2	82.9 83.2	82.0	83.2	82.6	83.2	83.2	43.2	63.2	93.2	82.8	83.2
≥ 6000 ≥ 5000	82.3	84.1	83.5	#3.7 94.3	84.3	83.5	84.3	84.3	84.3	84.3	84.3	84.3	83.3	84.3	84.3	84.3
≥ 4500 ≥ 4000	87.9	65.0	85.2	34.0	85.3	84.6	35.3	35.3	82.3	85.3	83.3	45.3	84.9	45.3	83.1	85.3
≥ 3500 ≥ 3000	83.1	85.3	85.5	85.6	85.4	85.6	35.6	85.4	85.4	85.6	85.6	85.6	83.5	35.0	85.0	85.6
≥ 2500 ≥ 2000	85.9	68,5	88.9	88.9	89.0	89.0	39.1	80./ 89.1	89.1	\$0.5	09.2	40.2	80.2	80.2	84.2	#9 2 2 4 5
≥ 1800 ≥ 1500	01.3	95.5	94.1	96.4	95.5	70.0	96.7	96.7	96.7	96.8	96.6	96.8	76.9	96.9	96.9	20.9
≥ 1200 ≥ 1000	72.3	97.1	97.5 98.0 98.0	98.5	98.8	98.5	99.2	99.3	99.3	99.5	99.5	99.5	94.6	99.6	99.0	94.6
≥ 900 ≥ 800	35.4	97.2	98.1	98.6 98.6	98.9 98.9	77.0		97.4	99.4	99.5	99.5	99.3	99.8	99.2	99.5	99.8
≥ 700 ≥ 600	92.4	97.2	98.1	98.6	98.9	99.0	99.3	99.4	99.4	99.6	99.0	99.6	99.9	99.9	99.7	99.9
≥ 500 ≥ 400	92.4	97.2	98.1	98.6	98.9	99.0		99.4	99.4	99.6	99.7	49.7	99.9	99.9	29.4	99.9
≥ 300 ≥ 200 ≥ 100	92.4	97.2	98.1	98.6	94.9	99.C	172.3	99.4	99.4	99.6	99.7	49.7	79.9	99.9	100.0	100.0
≥ 100	72.	97.7		98.4		99.0			99.4	99.6	99.7	12.7	99.		100.0	

TOTAL NUMBER OF OBSERVATIONS

2198

USAF ETAC MASA 0-14-5 (OL 1) MEVIOUS EDITIONS OF THIS FORM ARE DESOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### **CEILING VERSUS VISIBILITY**

40604

KWAJALEIN MARSHALL IS/BUCHDLZ 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0960-1160

2198

CEILING							VIS	IBILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1½	≥1¼	≥۱	≥ ¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	34.6 51.3		34.6	34.4	34.5	34.6	74.6 51.5	34.6	34.6	34.6	34.6	34.6	34.4	34.0	34.4	34.6
≥ 18000 ≥ 16000	53.3	52.2	52.7 53.5	37. Z	53.5	53.5	52.2 53.5	52.2 53.5	52.2	52.2	52.2	32.2	52.2 53.5	2 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	52.2	53.5
≥ 14000 ≥ 12000	59.8 73.6	74,3	74.3	40.1 74.2	74.3	60.1 74.1	74.3	74.3	74.3	74.3	60.1 74.3	40.	74.3	60.1 74.7	74.3	60.1
≥ 10000 ≥ 9000	80.9	81.8	63.6		83.8	81.9	83.7	81.9 #3.7	83.7	41.9	83.7	81.9	83.7	83.7	81.4	81.9
≥ 8000 ≥ 7000	83.6 83.8	85.3	85.6	85.2 85.6	95.2 95.4	85.0		#5.2 #5.6	85.2	45.6	37.2	85.6	85.4	85.7 Hy.6	85.2	85.6
≥ 6000 ≥ 5000	84.0	85.7	83.7	86.7	85.7	85.7	86.4	85.8 86.4	85.5	85.8 86.4	66.4	15.4	86.4	35.8 86.4	86.4	36.4
≥ 4500 ≥ 4000	94.8 85.4	87.7	87.4	87.4	84.5	87.4	87.5	90,6 87,5	87.5	86.6 67.5	87.5	87.5	87.3	80.6	87.5	87.5
≥ 3500 ≥ 3000	55.5 85.7 86.1	87.6 87.9	87.7	38.0	58.0	88.0	68.7	88.1	85.1	87.6 86.1	37.3	87.0 88.1	87.0	87.48 88.1	88.1	88.1
≥ 2500 ≥ 2000 ≥ 1800	87.7 F9.5	90.5	90.7	90.9	90.9	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	71.0
≥ 1800 ≥ 1500 ≥ 1200	91.2 92.1	95.7	94.3	96.4	90.8	96.8	97.0	93.7 97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000	92.2 92.2	97.3	911.4	98.8 98.8	99.1	99.1	79.3	99.4	99.4	99.5	99.5	99.5	99.5	99.9	79.0	99.5
≥ 800	77.2 92.2	97.4	98.5	98.9	29.3	99.2	99	99.5	97.5	99.7	99.6	77.8	79.8	99.8	99.9	99.9
≥ 700 ≥ 600 ≥ 500	92.2	97.4	98.5	98.9	99.2	99.2	99.5	99.5	99.5	99.7	99.9	99.0	77.9	99.4	100.0	100.0
≥ 400	42.2 92.2	97.5	78.5	99.0	99.3	99.3	99.5	99,5	99.5	91/19	99.4	99.9	77.0	99.0	100.0	100.0
≥ 200	92.2	97.5	98.5	2	99.3	99.3	79.5	99.5	99.5	99.8	99.4	99.9	99.9	99.9	100.0	100.0
≥ 100 ≥ 0	92.2	97.5	98.5	99.0	99.3	99.9	11111	99.5	99.5	99.8	99.9	77.4	99.		# A.A.L.A.	100.0

TOTAL NUMBER OF OBSERVATIONS....

USAF ETAC  $^{\text{FORM}}_{\text{ANI-64}} = 0.14.5$  (OL 1) PREVIOUS EDITIONS OF THIS FORM APE OBSOLETE

( 5 C

DATA PROCESSING ARANCH USAF ETAC AIR WEATHER SERVICE (HAC

### CEILING VERSUS VISIBILITY

KWAJALFIN MARSHALL 15/BUCHILE 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST.	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1⅓	≥1¼	≥1	≥%	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	31,9 50,4	31.9 50.5	31.9 50.6		31.4	31.9 50.6	31.9 50.6	31,9 50.6	31.9	31.9		31.0	* A A	31.9 50.6		
≥ 18000 ≥ 16000	53.1	51.6	51.7	51.7 53.4	93.4	51.7	91.7 53.4	51.7 53.4	51.7 53.4	51.7 53.4	51.7	51.7	51.7	51.7 53.4	51.7	51.7
≥ 14000 ≥ 12000	5A.0	71.8	59.1 71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	11.0	71.9	71.9	71.9
≥ 10000 ≥ 9000	10.1	79.3	77.3	79.5	79.5	81.5	17.5	81.5	81.5	81.5	81.5	79.5 81.9	61.5	61.5	81.5	81.5
≥ 8000 ≥ 7000	81.3 81.3	82.7	83.0	93.1	83.1 83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	93.1	63.1	83.1	83.1
≥ 6000 ≥ 5000	81.9	83.4	83.6	83.0	43.5	83.2	93.8	63.B	83.8	43.8	83.8	83.6	83.2	8.56	83.8	83.8
≥ 4500 ≥ 4000	82.1 82.7	84.3	84.5	84.7	84.7	84.7	04.7	84.7	84.7	84.7	No.7	84.7	84.7	84.7	84.1	84.7
≥ 3500 ≥ 3000	83.0	84.7	85.0	25.2	84.4	R9.2	85.2	85.2	35.2	85.2	85.2	35.2	83.2	85.2	85.2	85.2
≥ 2500 ≥ 2000	89.2	88.5	89.3	39.5	89.7	89.7	89.8	39,8	82.0	89.8	87.0	9.6	89.8	89.0	84.0	89.8
≥ 1800 ≥ 1500	90.9	94.9	93.5	95.9	94.1	96.1	90.4	96.4	96.4	96.4	Y0.4	95.4	74.5	90.5	94.5	70.5
≥ 1200 ≥ 1000	31.9	96.9	07.7	93.3	98.4	98.2	94.0	98.5	99.1	99.2	99.3	99.3	99.4	47.4	99.4	99.4
≥ 900 ≥ 800	91.9	96.9	97.7	98.1	48.7	98.7	99.2	99.3	99.3	99.3	79.5	99.4	79.6	99.46	99.4	99.6
≥ 700 ≥ 600	91.9	96.9	97.8	98.7	98.7	94.7	99.2	99,4	99.4	99.5	99.4	97.6	99.5	99.9	99.9	90.5
≥ 500 ≥ 400	92.0	97.0	97.9	95.4	48.4	98.0	79.7	97,5	99.5	94.6	19.7	99.7	99.9	20.4	99.9	100.0
≥ 300 ≥ 200	35.0	97.0	97.9	98.4 98.4	38.8	98.8	99.1	99.5	99.5	99.6	79.7	99.7	99.	40.4	100.0	100.0
≥ 100 ≥ 0	32.0	97.0 97.0		98.4 98.4	98.8	98.8	99.3	97.5	99.5	99.6		79.7	99.9		100-0	

TOTAL NUMBER OF OBSERVATIONS.....

2197

USAF ETAC TORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PRICESSING PRANCH USAF ETAC AIR WEATHER SEPVICE/MAC

#### CEILING VERSUS VISIBILITY

5

KWAJALEIN MARSHALL IS/BUGHTLZ 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1470-1700

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1%	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	27.0	27.6		27.6	27.0	27.6 47.0	27.0	27.6 47.0	27.0	27.6		27.6	27.6		27.0	27.0
≥ 18000 ≥ 16000	47.9 50.2	48.2 50.5	48.7 50.6	50.0	48.3 50.6	48.3 50.6	50.6	48,7 50,6	50.6	48.3 50.6	20.6 20.6	48.3 50.6	48.3	48.3	48.3	50.6
≥ 14000 ≥ 12000	68.3	55.6	55.7 64.2	69.2	55.7	55.7 69.2	59.7	35.7	35.7	55.7	55.7	35.7	33.7	55.7	59.7	55.7
≥ 10000	75.1	77.1	77.7	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 8000 ≥ 7000	70.7	80.5	00.6	90.9	80.5	80.9	80.9	80.9	80.6 80.9	80.9	80.4 80.9	80.0	10.9	80.4	80.9	80.9
≥ 6000 ≥ 5000	79.3	81.4	80.8	81.0	8.18	81.1 81.9	81.9	81.0	81.1	81.9	81.9	61.1 61.0	81.9	81.9	91.0	81.5
≥ 4500	61.1	81.7 82.7	82.9	83.1	83.1	82.2	83.2	37.7 83.2	82.2	83.2	82.2 63.2	83.2	82.2	83.2	87.2	82.2
≥ 3500 ≥ 3000	91.9	87.9	63.9	84.1	94.1	83.4 84.2	84.2	84.2	84.2	84.2	84.2	43.4 84.2	83.2	34.2	84.2	83.4
≥ 2500 ≥ 2000	97.4 95.0	87.5	87.8	88.1	88.1	88.2	08.2	58.2	88.2	88.2	88.2	48.2	84.2	88.2	88.2	89.2
≥ 1800 ≥ 1500	99.9 90.0	94.4	74.5	95.5	95.5	95.6	45.0	95.8	95.4	93.0	95.9	95.8	72.0	95.3	99.9	75.9
≥ 1200	90.9	76.7	97.5	96.3	98.6	98.7 98.8	99.4	99,1	99.1	99.2	99.3	99.1	99.4	97.4	99.4	79.4
≥ 900 ≥ 800	90.9		97.5	98.4	98.7	98.9	99.3	69,4	99.4	19.5	99.5	99.5	99.7	20.7	99.7	99.4
≥ 700 ≥ 600	70.9	96.7	97.5	90.4	99.7	78.9	99.4	99.5	99.5	99.6	99.7	99.7	99.9	99.0	99.9	99.9
≥ 500 ≥ 400	90.9	96.7	97.5	98.4	79.7	98.9	44.4	99.5	99.5	99.6	99.7	79.7	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	90.9		97.5	98.4	98.7	98.9	99.4	86'2 86'2	99.3	99.6	77.7	99.7	100.0		100.0	100.0
≥ 100 ≥ 0	90.9		97.5	98.4	98.7	98.9	99.4	99,5	99.5	99.6	79.7	77.7	100.0	77777		100.0

TOTAL NUMBER OF OBSERVATIONS...

2198

USAF ETAC RIGH 0-14-5 (OL 1) PREYIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/KAC

### CEILING VERSUS VISIBILITY

40604 STATION

KHAJALFIN MARSHALL IS/BUCHULZ 44-72

TOIL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1870-2000 HOURS ((\$Y))

CEILING							VIS	IBILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1⅓	≥1%	≥ı	≥¼	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	45.5	29.1 45.8	39.1	29.1 45.6	79.1 45.8	23.1	24.1 45.8	29.1	29.1	27.1 45.8	73.8	29.1 45.9	24.1	29.1	29 · 1	49.1
≥ 18000 ≥ 16000	48.3	45.9 A8.8	48,4	40.0	46.4 48.6	48.8	46.9	48.8	48.8	48.8	48.8	46.9	48.4	40.9	46.4	44.9
≥ 14000 ≥ 12000	59.8	53.7	58.7	53.7 67.3	53.7 67.3	53.7 67.1	67.3	53.7 47.3	53.7	53.7	53.7 67.3	67.7	93.7	33.7 67.3	93.7 67.3	67.3
≥ 10000 ≥ 9000	75.1	76.3	79.3		78.7	70.4	78.7	76,4	78.7	76.4	76.4	78.7	74.7	79.7	76.4	76.4 78.7
≥ 8000 ≥ 7000	79.0	80.7	80.0 80.8		80.7	90.7	80.7	80.7	\$0.7	80.9	80.9	80.9	80.9	80.4	80.4	80.9
≥ 6000 ≥ 5000	79.3 70.1	81.5	81.9	87.0		82.1	92.1	82.1	HZ-1	82.1	82.1	#1.3	81.3	95.1	71.3	82.1
≥ 4500 ≥ 4000	81.4	83.4	83.6	17.3 17.7	03.8	83.8	87.9	82.3	83.8	83.0	43.8	93.4	87.8	83.8	82.4	83.5
≥ 3500 ≥ 3000	82.1	84.4	54.7	34.8	14.8	84.1	84.3	84,8	84.4	44.8	54.7	84.9	84.9	86.0	84.9	84.9
≥ 2500 ≥ 2000	85.1	68.2	88.4	89.0	38.9	88.9	88.9	88.9	88.9	88.9	89.9	85.9	88.7	23.0	81.9	82.9
≥ 1800 ≥ 1500	39.6 90.7	7 4 4 7	99.1	95.5	95.0	95.6	95.9	95.9	92.4	95.0	75.9	95.9	25.	95,2	93.9	95.9
≥ 1200 ≥ 1000 ≥ 900	90.9		98.0	98.5	99.0	99.0	79.5	97.5	99.5	99.5	79.7	99.7	78.5 79.7	99.7	99.7	99.7
≥ 800	90.9	97.1	98.0	98.0	99.1	99.1	99.7	97,7	99.7	99.8	97.0	17.9	99.9	99.9	79.9	99.4
≥ 700 ≥ 600 ≥ 500	\$1.0		98.0	99.7	99.2	99.2	77.7	99.8	99.8	99.9	100.0	100-0	100.0	00.0	100.0	100.0
≥ 400	91.0	انتسلما	98.0		99.2	99.2	79.6	99,8	79.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	91.0	97.1	98.0	98.7	99.2	99.2	79.8	97.8	99.8	99.9	100.0	100.0	100.0		100.0	100.0
≥ 100 ≥ 0	\$1.0		98.0		99.2	99.2	99.8	99 8	99.8					100.0		

TOTAL NUMBER OF OBSERVATIONS...

214#

USAF ETAC ALSA U-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1

DATA PROCESSING ARANCH USAF ETA: AIR WEATHER SERVICE/HAC

# **CEILING VERSUS VISIBILITY**

KHAJALEIN MARSHALL ISTRUCTULZ 44-72

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	JIM STUTA	ES)			-			
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥¥4	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	35.4 411.8	35,5	35.5	49.1	35.5	35.5	35.5	35,5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 18000 ≥ 16000	49.0 51.0	49.8	49.8	49.2	49.8	49 . E	9.3	49,8	51.3	49.8	42.3	49.0	49.8	49.8	49.6	49.8
≥ 14000 ≳ 12000	\$5.5 69.0	56,1 69.8			59.9	56.2	59.2	26.5	56.2	56.2 6.93	50.2	36.2	56.2	56.2 54.9	56.2	56.2
≥ 9000	76.9	78,0	80.0	30.1	78.1	78 . 1 80 . 1	78.1	76.1 80.1	78.1	75.1 80.1	73.1	78.1	76.1	78.1	78.1	78.1
≥ 8000 ≥ 7000	80.9 80.9	82.7	82.7		02.7	32.0	82.7	82,6	82.4 82.7	82.6	82.7	#2.7	82.7	82.6	82.6	82.7
≥ 5000 ≥ 5000	81.0	82.7	83.5	42.6	83.6	82.6	87.6	87.8	83.6	83.6	87.4	83.6 63.6	82.9	87.6	83.6	82.8
≥ 4500 ≥ 4000	81.8	83.0	8	84.9	94.9	84.9	84.4	83.7	84.9	84.9	83.7	#3.5 #4.5	84.9	84.9	84.9	82.9
≥ 3500 ≥ 3000	83,4	85.5	\$5.5 \$9.7	85.8	85.5	85.5 8.27	85.8	85.7	83.0	85.5 85.6	23.3	85.2	85.5	85.6	85.4	85.3
≥ 2500 ≥ 2000 ≥ 1800	73.7 24.3	39.2	89.3	36.3 89.6	89.7	86.3	87.7	89.7	39,7	89.7	87.7	19.7	80.7	89.7	84.7	89.7
≥ 1800 ≥ 1500 ≥ 1200	90.6	95.3	92.9	93.0	93.1	93.1	90.3	95.4	93.3 96.4 98.3	93.3	96.4	96.4	96.4	95.4	73.3	93.3
≥ 1000	91.0	97.4	98.1	98.7	97.1	99.1	99.4	99.5	99.5	78.4 <b>79.</b> 6	99.0	99.6	99.6	98.4	99.0	99.6
≥ 800	91.6	97.4	98.3	90.9	99.7	99.3	99.6	99.7	99.7	99.9	99.9	97.9	99.9	95.4 90.4	99.4	97.9
≥ 600	91.6	97.4	98.2	98.9	99.3	99.3	99.6	99.7	29.7		00.0		100.0	100-0	100.0	100.0
≥ 400	91.6	97.4	98.2	98.9	99.3	99.1	99.0	90,7	99.7	100.0	00.0	100.0	100.0	100.0	100.0	100.0
≥ 200	91.6	97.4	98.2	98.9	49.3	99.3	99.6	99,7	99.7	100.0	100.0		100.0	100.0	100.0	100.0
≥ 0	91.6	97,4	98.2	98.7	99.3	99.1	99.6	99.7	79.7		00.0					100.0

TOTAL NUMBER OF OBSERVATIONS....

2107

USAF ETAC AR 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE DISSOLETE

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DATA PRICESSING BRANCH USAF ETAC AIR WEATHER SEPVICE/MAC

### CEILING VERSUS VISIBILITY

40604

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KHAJALEIN MARSHALL 15/BUCHILZ 44-72

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0700

CEILING							VIS	BILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥1%	≥1¼	≥۱	≥¾	≥%	≥%	≥ 5/16	≥4	≥0
NO CEILING ≥ 20000	45.4 54.6	45.0		45.D		40.0	55.3	46.0 55.3	44.0 55.2	45.0 35.3	49.0 55.3	46.0	19.0	46.0	46.0	40.0
≥ 18000 ≥ 16000	55.1	35.7 55.8	59.7 55.8	55.7 55.8	35.7 45.8	55.7 55.8	55.7 55.8	55.7 55.8	55.7 55.8	55.7 55.8	55.7 55.8	55.7 55.8	55.7 55.3	35.7 55.9	55.4	59.7
≥ 14000 ≥ 12000	57.7 68.1	58,5	58.5 69.4	59.5 69.4	58.5 67.4	50.4	58.5	58,5	58.5	\$8.5 69.4	58.5	50.5	58.5	58.4 69.4	39.5 69.4	55.5
≥ 10000 ≥ 9000	74.7	74.4	74.6	76.6 77.9	76.6	70.5	70.0	76,6	76.6	76.6	79.6	76.5	76.4	74.0	76.4	77,9
≥ 8000 ≥ 7000	77.7	79.6	79.9	79.9	79.9	79.4	79.9	79.9	79.9	79.9	79.9	74.9	79.9	79.9	79.9	79.9
≥ 6000 ≥ 5000	77.7	70.8 80.4	80.0	30.0 30.7	70.0 10.7	80 • 0 80 • 7	80.7	au, o	80.7	80.0	80.0	80.0	80.7	80.0	80.0	80.0
≥ 4500 ≥ 4000	78.7	81.2	51.7 51.2	81.0	41.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.6	81.6	81.0	81.6
≥ 3500 ≥ 3000	79.2	81.3	B [ • \$	81.0	81.7 A1.9	81.0	81.7	81.7	81.7	81.7	81.7	81.7	81.9	81.7	81.9	81.7
≥ 2500 ≥ 2000	80.0	85.9	80.3	86.2	86.7	86.7	82.9	86.7	82.9	85.7	87.7	26.7	82.9	87.09	82.9	84.7
≥ 1800 ≥ 1500	17.0	89.5	94.0	90.3	94.6	94.6	90.5	94.5	90.5	90.0	74.6	74.0	90.6	90.0	90.6	94.0
≥ 1200 ≥ 1000	10.1	96.2	77.4	97.9	28.0	98.0	68°	54.5	78.1	99.1	99.2 99.1	77.1	98.2	98.2	99.1	44.5
≥ 900 ≥ 800	40.5	96.2	97.6	98.1	75.0	78.9	99.1	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.3	99.2
≥ 700 ≥ 600	50.2 50.2	96.3	97.6	96.1	48.0	78.7	59.1	97.2	99.2	99.6	97.6	99.0	39.6	49.4	99.0	99.6
≥ 500 ≥ 400	80.2 80.2	96.3	97.6	98.1	99.0	36.0	49.3	97.4	99.4	90.0	99.0	119.9	99.9	99.0	77.8	99.9
≥ 300	19.2	96.3	97.6	98.1	99.0	99.00		79.4	79.4	99.9	99.9	90.9	99.9	90.0	99.9	100.7
≥ 100 ≥ 0	84.5	96.3	97.6	98.1	99.0	39.0		99.4	99.4	30.0	99.4	79.9 79.9	97.7	99.4	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_

<u> 2130</u>

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PRINCESSING MRANCH USAF ETAC AIR WEATHER SEPVICE/MAC

# CEILING VERSUS VISIBILITY

40604 STATION

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KWAJALETH HARSHALL ISTBUCHTLE

44-72

HUY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET:	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥115	≥1¼	≥า	≥¼	≥%	≥%	≥ 5/16	≥¼	≥0
NO CHUNG ≥ 2,000	44.4	44.8 53.7	44.8	44.5	1 7 7 7 7	44.8	44.8	44,8 53,7	44.8	44.8 53.7	44.8 53.7	44.8	44.4	44.8	44.8	53.7
≥ 180 0 ≥ 15 VO	53.3	53.8 54.1	52.8	\$3.6 \$4.1	33.6	53.6 54.1	54.1	53.8 54.1	53.8 54.1	53.8 54.1	53.8	33.8 54.1	53.8	53.8 54.1	33.9 54.1	53.8 54.1
≥ 14000 ≥ 11 000	36.0		59.5 67.2	56.5 67.2	50.5 67.2	56.5	50.5	56.5 67.2	56.5	56.5 67.2	56.5	36.1	59.5	54.3	56.5	56.5 67.2
≥ 10000 ≥ 9000	72.9	74.5 75.5	74.7	74.7	74.7	74.7	75.6	74,6	74.4	74.8	74.8	74.0	74.8	74.8	79.8	22 2 7 21
≥ 800.) ≥ 7000	75.8	77.6	77.8	77.8	77.9	77.9	77.4	77.9	77.4	78.3	77.7	77.9	77.9	77.9	77.9	77.9
≥ 6000 ≥ 5000	75.9	77.9	74.8	78.2	76.7	70.3	78.3	78.9	78.3	76.7	79.3	78.3	78.9	70.9	78.3	78.9
≥ 4500 ≥ 4000	76.6 76.8		79.3	79.1	79.4	79.4	77.1	79.5	79.2	79.5	77.2	70.2	79.2	79.2	79.2	79.2
≥ 3000 ≥ 3000	77.0	79.4	79.7	79.8 80.2	90.Z	80.2	10.2	80.3	77.7 80.3	50.3	80.3	40.3	80.3	40.3	80.3	40.3
≥ 2500 ≥ 2000	74.0	84.6	83.0	85.1	85.2	85.2	85.2	\$5.3	81.2	81.2	85.3	45.3	85.3	45.3	81.2 85.3	85.3
≥ 1800 ≥ 1500	17.2	93.2	94.0	94,4	90.0	90.0 94.6	94.8	94.9	90.1	94.9	90.1	9449	90.1	94.4	94.9	90.1 94.9
≥ 1200 ≥ 1000	9.3° \$		911.0	98.5	30.5	77.1	99.4	99.5	99.5	99.6	97.6	99.0	99.7	99.7	7.3 . 7	20.7
≥ 900 ≥ 800	89.0	96.9	93.0	96.5	99.0	99.1	97.4	97.0	79.6	97.7	77.4	99.7	99.4	99.8	99.8	33.0
≥ 700 ≥ 600	89.6		95.0	90.5	99.0	33.1	99.4	99.6	99.4	99.7	99.7	99.7	49.	99.9	79.6	44.0
≥ 500 ≥ 400	80.0	96.7	98.0	98.5	99.2	24.45	44.0	97.8	40'8 A 5 4 6	99.9	99.4	99.0	100.0	100-0	100.0	100.0
≥ 300 ≥ 200	39.6	90.9	93.0 0.ke	98.5	99.7 99.2	62°5	99.6	97.6	99,5	90,0	29.9	99.9	100.0	100-0	100.0	100.0
≥ 100 ≥ 0	59.6		∧§ 0	98.5		99.2	\$9.6	90.8	79.8	90.0	99.4	99.9	100.0	100-0		100.0

TOTAL NUMBER OF OBSERVATIONS...

2130

USAF ETAC AN 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING ARANCH USAF ETAC AIR WEATHER SERVICE/NAC

# **CEILING VERSUS VISIBILITY**

KWAJALEIN HARSHALL ISARUCHILZ 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥217	≥2	21%	≥14	≥1	≥¾	≥%	≥%	≥ 5/16	≥4	≥0
NO CEILING ≥ 20000	34,4	34.0	34.6 48.9		34.6 48.9	34.6 411.4	34.6		34.6	34.6	34.6	34.0	14.6	34.4	34.0	7
≥ 18000 ≥ 16000	49.2 50.1	47.3 50.3	49.3 50.3		49.3	50.3	49.3 50.3	50.3	49.3	49.3 50.3	49.3 50.3	49.3	49.3 50.3	50.3	49.3 50.3	50.3
≥ 14000 ≥ 12000	33.7	54.0	54.0	34.0 66.6	66.8	34.4	54.0 66.8	54.0	54.0	54.0 66.8	54.0	34.d	54.0	54.0	54.0	66.8
≥ 10000 ≥ 9000	74.7	74.5	74.6	74.6	74.0	74.6	74.6	74.6	74.6	75,4	74.6	76.4	74.6	74.6	74.6	74.6
≥ 8000 ≥ 7000	77.2	78.7	79.5	79.5	79.5	79.5	79.0	79.5	79.0	79.5	79.0	79.0	79.0	79.0	79.5	79.0
≥ 5000 ≥ 5000	77.5	79.5	61.3	81.3	77.4	81.3	81.3	79.8 81.3	81.3	79.8	21.3	77.8	81.3	81.7	79.8	79.8
≥ 4500 ≥ 4000	79.4	81.1	81.9	31.5	81.9	31.4	81.9	Al. 7	81.9	81.4	81.4	81.7	81.9	81.9	81.9	61.9
≥ 3500 ≥ 3000	70.Y	82.5	87.9		43.0	33.0		83.0	63.0	83.0	53.0	83.0	83.0	83.0	82.3	82.3
≥ 2500 ≥ 2000	e7.1	86.1	86.4	36.5	830.4 860.8	80.6	83.4	83.4	83.4	86.7	66.7	86.7	86.7	80.7	84.8	26.3
≥ 1800 ≥ 1500	48.0	93.8	35.0	90.0	94.9	90.0	93.0	70.1	99.0	95.2	93.2	95.2	90.Z	90.2	95.3	90.3
≥ 1200 ≥ 1000	90.1	96.0	97.4	97.7	98.1	97.6	98.5	97,8	97.5	98.6	98.8	98.8	98.9	98.9	99.0	99.0
≥ 900 ≥ 800	90.1	96,4	97.5	97.8	98.1	98.2	911.7	98.7	98.7	99.0	99.0	79.0	99.1	99.1	99.2	99.2
≥ 707 ≥ 600	50.1	96.4	97.3	97.0	28.4	98.4 98.4	45.0	98.8	98.8	99.0	79.1	99.1	99.2	50.5	97 2	29.2
≥ 500 ≥ 460 ≥ 300	90.1	96.5	97.6	98.0 98.0	98.5	79.4	99.1	99.0 99.1	99.0	99.4	99.5	99.4	99.7	99.7	99.7	99.7
≥ 200	90.1 90.1	96.6	97.7	98.1	76.7 78.8 78.4	78.7	99.2	99.7	97.2	99.6	09.5	99.6	99.8	39 8		99.4
≥ 100 ≥ 0	40.1	76.6			98.6	98.7	39.2	77.2		99.5		77.6	99.8	99 H		100.0

TOTAL NUMBER OF OBSERVATIONS 2130

USAF ETAC NO 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/+ C

# CEILING VERSUS VISIBILITY

40604 STATION

WWAJELSIN PURSHALL ISLAUGHTLE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0970-1100

CEILING							VIS	IBILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥٥	≥5	≥4	≥3	≥2%	≥2	≥1%	≥14	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	34.0		34.9	30.4	34.8	34.8 50.4	34.6	50.4	34.4	30.4	50.4	34.8	50.5	30.5	34.8	34.5 50.5
≥ 18000 ≥ 16000	50.8 52.0	51,0	51.0	52.2	32.2	51.et	31.0	51.0	51.0	52.2	32.2	52.3	92.2	51.1 52.2	52.2	52.2
≥ 14000 ≥ 12000	95.0	\$6,2	50,?	67.1	69.1	59.1	69.1	67.1	69.1	50.3	90.2	69.1	69.2	63.2	69.2	69.2 70.7
≥ 10000 ≥ 9000	75.5	70.7	77.8	77.8	77.8	77.0	77.8	77.8	77.8	77.6	77.8	75.6 77.8	70.7	77.4	77.0	77.9
≥ 8000 ≥ 7000	79.0	80.9 80.8	81.7 81.7	NI I	81.3	81.2	81.2	Q1.7	81.2	81.2	31.2	31.	81.3	81.3	81.3	81.4
≥ 6000 ≥ 5000 ≥ 4500	79.9 80.0	81.7	82.1	02.1	82.2	82.2	82.2	92.7 82.3	82.2	82.2 82.3	82.3	82.2	92.3	82.4	82.3	82.4
≥ 4000 ≥ 3500	80.0	227.	03.1	83.2	83.2	R3.2	83.4	83.2	83.2	83.2	83.4	\$3.2 \$3.4	83.1	83.3	83.3	93.5
≥ 3000 ≥ 2500	81.3	83.1	87.5	83.6	84.4	73.7 84.4	84.5	84.5	84.5	83.8	84.5	83.1	83.4	34.0	83.8	87.8
≥ 2000	24.7 87.1	90.7	91.2	91.4	98.3	91.7	08.4	\$8.4 91.6	38,5	91.7	98.5	91.7	91.	91.9	91.9	91.9
≥ 1500	80.4 90.6	91,8	70.0	97.2	95.1	99.1	48.0	95.3	95.0	98.4	97.4	78.1	98.	78.2	95.2	75.4 78.2
≥ 1000	30.7	96.1	97.0	97.7	99.2	28.7	70.3	78.5	76.6	98.7	75.5	70.1	98.	98.9 98.7	79.0	99.0
≥ 800 ≥ 700 ≥ 600	90.5	96.1	97.3	97.9	78.3 75.3	98.5 98.5	99.0	99.1	99.1	99.3	90.	99	99.	99.6	74.5	99.3
≥ 500 ≥ 400	70.8 70.8	94.3	97.	98.0	95.5	98.5 98.6	99.	99.2	99.	99.6	79.6	99.	69.	97.0	99.9	59.9 100.0
≥ 300 ≥ 200	90.5 90.6	900	97.	98.0	98.5	78.6		99.3	99.	99.7	99.6	79.	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	70.8	76.3	1	28.0	98.5	74.0		99.3	99.	99.7	79.8					100.0

TOTAL NUMBER OF GESERVATIONS\_

2130

USAF ETAC AN 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSCHETE

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DATA PROCESSING BRANCH USAF ETAC AIR MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

40604

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MANAJALCIN HARSHALL IS/BUCHOLI 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1270-1400

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥ 2	≥1%	≥1%	≥1	≥¼	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	30.5		30.5 47.6		30.5 47.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5		
≥ 18000 ≥ 16000	48.6 50.4	49.7 50.4	49.7 50.4	48.7 50.4	48.7	46.7	48.7 50.4	48.7 50.4	48.7	48.7 50.4	45.7	30.4	40.7	48.7 50.4	48.7	48.7
≥ 14000 ≥ 12000	57.5	55.8	58. Ö	55.9	35.4	55.9 54.0	35.9	\$5.9 68.0	55.9	55.9 68.0	35.9 68.0	55.9 68.0	55.9	35.9 38.0	55.9	9.86
≥ 10000 ≥ 9000	75.5	74.5	74.9	74.4	75.0	79.0	75.0	75.0	75.0	75.0 76.5	75.0	75.0 76.9	79.0	75.0	75.0	75.0 76.5
≥ 8000 ≥ 7000	77.7	79.8	79.3	79.3	79.4	70.4	79.4	79.4	79.4	79.4	79.4	79.5	79.4	79.4	79.4	79.4
≥ 6000 ≥ 5000	78.3	79.6	80.0 61.0	80.0	80.1	80.1	80.1	80,1 81.1	80.1	80.1	80.1 81.1	81.1	81.1	80.1	80.1 81.1	80.1 81.1
≥ 4500 ≥ 4000	79.5	81.5	81.3	81.3	81.4	81.9	81.4	81.9 81.9	81.4	81.4	81.9	81.4	81.4	81.4	81.4	81.4
≥ 3500 ≥ 3000	80.2	81.9	82.3	112.9 112.9	82.4 82.9	87.4 82.9	\$2.4 62.9	82.4	82.4	82.4	82.4	82.4	82.4	82.4	92.4 82.9	82.4
≥ 2500 ≥ 2000	81.5 85.1	87.4 88.0	87.4 88.4	83.9 86.5	84.5	\$4:0 88.6	84.0	34,C	84.0	84.0 86.2	84.0	84.0	84.0	84.0	84.0	84.0 88.8
≥ 1900 ≥ 1500	87.4 89.8	91.7	91.9	97.1	92.4	92.4	92.4	95.5	92.4	95.9	92.4	92.4	72.4	96.0	92.4	96.0
≥ 1200 ≥ 1000	90.5	96.3	94.9	97.1	97.7	97.7 98.7	97.9	97.9	99.0	98.1	99.2	98.1	98.2	98.3	98.2	98.2 99.4
≥ 900 ≥ 800	20°9	96.8	97.7 97.8	98.2	90.4 90.6	78.7	99.0	97.0	99.2	99.5	99.5	99.5	99.4	99.4	99.4	99.4
≥ 700 ≥ 600	00.0 0.0 0.0 0.0 0.0	96.8	97.9 97.4	39°5	78.8 78.8	93.3	99.2	99.5	99.2	97.5	99.5	99.5	99.7	99.7	94.7	99.7
≥ 500 ≥ 4č∪	\$(1.8) \$(1.8)	96.0	97.8	98.7	98.8 98.9	98.9	99.2	99.3	99.4	99.6	99.4	99.0	79.9	99.9	100.C	94.9
≥ 300 ≥ 700	30.85 30.85	95.8	97.8	98.2	98.9		99.3	99,4	99.4	99.7	99.7	99.7	79.9	99.9	100.0	100.0
≥ 100 ≥ 0	40.8	36.0	97.8 97.8	98.2 98.2	98.9	34.5	99.3	99.4	99.4	99.7	99.7	79.7	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS\_

2131

USAF ETAC  $\stackrel{\text{FORM}}{\text{an 66}}$  0-14-5 (OL 1) previous editions of this form are obstrete

DATA PROCESSING SRANCH USAF ETAC AIR WEATHER SEPVICE/MAC

### CEILING VERSUS VISIBILITY

406Q4

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RWAJALEIN HARSHALL IS/BUCHTLE 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING			-				VIS	BILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1½	≥1%	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	30.4		30.4	30.4 40.1	30.4 48.1	30.4 48.1	30.4 48.1	30.4 48.1	30.4 48.1	30.4	30.4 48.1	30.4	30.4 48.1	48.1	30.4 48.1	30.4 48.1
≥ 16000 ≥ 16000	\$ 0. T.	51.2	49.4 51.2	51.2	19.4	49.4 51.2	49.4	49.4 51.2	49.4	49.4	49.4	49.4 51.2	91.2	40.4	49.4	457
≥ 14000 ≥ 12000	55.0	55,1 66.6	55.1	\$5.1	55.1 66.7	55.1	66.7	55.1	55.1	46.7	55.1	55.1	55.1	66.7	99.1 66.7	55.1
≥ 9000	72.7		75.9	75.9	75.7	73.7	75.9	75.5	73.7	75.9	75.9	73.7	75.4	79.7	73.7	73.7
≥ 8000 ≥ 7000	77.5		79.3		79.4	79.4	130.8	79.8	79.4	79.4	79.6	79.4	79.4	79.8	79.8	79.8
≥ 6000 ≥ 5000	76.2 79.1	79.6	81.1	80.7 81.1	82.1	41.4	80.2 51.1	11.1	81.1	Stat	81.1	81.1	91.1	81.1	81.1	\$0.2 81.1
≥ 4500 ≥ 4000	79.8	#1 '9	82.0	35°1	82.1	82.1	#2.1	37.1	82.1	87.1	82.1	62.1	82.1	42.1	82.1	#2.1
≥ 3500 ≥ 3000	10.5	17.5	02.3 02.7	82.9	7 7 7	\$2.4 \$2.9	82.7	97.9	82.9	82.9	67.4 67.4	42.9 83.8	82.9	82.9	82.9	82.9 82.9
≥ 2500 ≥ 2000	64.6	87.4 90.8	87.8		88.0	98.0	98.1	91.5	60.1	88.1	88.1	98a1	88.1	48.1	88.1	#3.00 #3.00
≥ 1800 ≥ 1500 ≥ 1200	80.7 70.6	96,6	200	97.5	95.5	97.9	98.0	95.9	95.9	96.0	96.0 98.1	96.0	98.1	96.0	94.0	96.0
≥ 1000	70.9	97.7	98.0 93.0		98.4	98.8 95.7	98.9	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	90.9	97.3	94.1	98.4	99.1	99.1	99.2	90.2	99.2	79.4	99.4	99.4	99.3	99.5	99.9	99.5
≥ 700 ≥ 600 ≥ 500	70.9		98.1	98.5	99.7	99.1	77.3	99,3	99.3	99.7	99.4	99.5	99.6	99.6	97.0	99.6
≥ 400	90.9	97.3	95.1	94.5	99.7	79.2	99.3	97.4	99.4	99.7	99.7	99.7	99.	99.9	100.0	100.0
≥ 200	70.9	97,3	98.1	98.5 98.5	99.7	99.2	97.3	97,4	79.4	99.7	99.7	99.7	79.9	99.9	100.0	100.0
≥ 0	90.9			98.6		97.2	99.3	99,4	99.4	99.7	99.7	99.7	77.	99.9	100.0	

TOTAL NUMBER OF OBSERVATIONS\_

2129

USAF ETAC NA 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OSSOCIETE

DATA PROCESSING RRANCH USAF ETAC AIR MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

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KWAJALFIN MARSHALL IS/BLIGHTLZ

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≳3	≥2%	≥2	≥1%	≥1¼	≥1	≥%	≥%	2⅓	≥ 5/16	2¼	≥0
NO CEILING ≥ 20000	31.3	31.4	31.4	31.4 48.4	31.4 48.4	31.4 48.4	31.4 48.4	31.4	31.4	484	31.4 48.4	31.4	31.4	31.4	31.4	31.4
≥ 18000 ≥ 16000	48.9 50.9	51.1	49.3	49.1 51.1	49.1 51.1	49.1 51.1	49.1 51.1	47.1	49.1	49.1	49.1 51.1	49.1 51.1	47.1 51.1	49.1	49.1	49.1 51.1
≥ 14000 ≥ 12000	53.8		54.1 65.1	54.1 45.1	94.1	54.1	15.1	54.1 65.1	55.1	54.1	54.1	34.1 45.1	63.1	65.1	65.1	63.1
≥ 9000	77.2	75.0	73.5 70.1	73.6	75.1	77.4	76.1	73.0	75.0	73.6	73.6	73.4	73.0	76.1	73.0	76.1
≥ 8000 ≥ 7000	77.8	79,5		80.7		80.7	80.0	80.7	80.0	80.7	30.7	80.7	90.7	80.7	80.0	80.7
≥ 6000 ≥ 5000	79.1	81.0	81.4 82.1	82.1	81.1	82.1	02.1 02.1	81.1	61.1 62.1	81.1	82.1	82.1 1.58	81.1	85.1 91.7	82.1	81.1 82.1 82.2
≥ 4500 ≥ 4000 ≥ 3500	79.2 80.3	83.2	82.2	83.3	83.3	83.7 83.7	33.3	\$2.2 83.3	83.7	83.3	67.2 63.3	83.3	02.2 93.3	52.2 53.3	83.7	83.3
≥ 3000	50.7	\$7.0 \$3.7	83.7	84.0 84.0	54.0 84.9	84.0	84.0	R4 0	84.0	84.9	84.0	84.0	94.0	1 2 3 5 4		2
≥ 2000	He 5	88.3	88.0 91.5	88.8	88.4	88.8	88.8	3.84	91.4	86.8	88.0	91.9	85.8	8.8	91.9	91.9
≥ 1500	*8.8 70.2	94.9	99.5	94.8	95.9	98.5	95.9	95.9	78.6	98.6	99.9	98.0	98.0	96.0	76.0	26.0
≥ 1000	00.8		93.9	99.3	99.4	99.4	99.6	99.6	99.6	99.0	79.5	99.0	79.7	99.7	99.7	99.7
≥ 800	90.6	98.1	78.9		99.5	99.5	99.0	90.7	99.7	99.8	79.8	99.0	100.0	100.0	100.0	100.0
≥ 600	90.8	98,1	98.9	1 . • -	99.5	99.5	79.8	99,0	99.8	40.0	99.9	79.9	100.0	100.0	100.0	100.0
≥ 400 ≥ 300 ≥ 200	00.0 00.0	98.1	98.9	99.3	99.3	99.5	99.8	97.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	90.8	98.1	98.9	99.	79.5	99.5	99.8	99.8	99.8	97.7	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS.....

2130

USAF ETAC NO 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING PRANCH USAF ETAC AIR HEATHER SERVICE/MAC

### **CEILING VERSUS VISIBILITY**

40604 STATION

KWAJALTIN MARSHALL 15/5UCHULZ 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS ((\$1)

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥11/2	≥1%	≥ı	≥¾	≥%	≥14	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	41.5 54.4	41.7 54.8	41.7 54.8	41.7	41.7 94.8	41.7	41.7	41.7	41.7	417 54.6	41.7	41.7	41.7	41.7	41.7	41.7 54.8
≥ 18000 ≥ 16000	54.9	55.3 56.4	59.4 58.4	35.4	55.4 56.4	35.4 36.4	36.4	55.4 56.4	55.4	55.4 56.4	59.4	35.4	55.4 56.4	55.4 56.4	55.4 56.4	35.4 56.4
≥ 14000 ≥ 12000	58.7	59.1	59.4	59.8	19.2 69.5	59.2	9.0	50.7 50.5	59.3	59.2 69.5	59.5	50.2	59.2	69.5	59.2	59.2
≥ 10000 ≥ 9000	75.7	77.1	77.1	77.2	77.2	77.2	77.2	77.2	79.2	79.7	77.2	77.2	77.2	77.2	77.2	77.2
≥ 8000 ≥ 7000	70.3 *0.0	84.0	87.1	81.6	81.6 82.1	87.00 81.00	87.1	81.6 67.1	91.6	82.1	81.6	82.1	82.1	82.1	82.1	0.15 1.5H
≥ 6000 ≥ 5000	80.0 80.5	82.5	82.5	87.2	82.28	82.3	8.28	45.4	82.2	82.2	82.2	82.2 42.8	82.2	42.2 87.8	82.8	#2.2 #2.8
≥ 4500 ≥ 4000	50.5 51.3	83.5	82.9 63.7	83.7	12.9 13.7	82.9 87.7	82.9	\$2.9 \$3.7	82.9	42.9 93.7	87.7	42.9	82.7	87.9 7.50	82.4	83.7
≥ 3500 ≥ 3000	A) . 7	83.8 84.0	84.2	84.2	94.2	#4.0 #4.2	84.0	94.0 84.2	84.0	84.2	84.2	84.2	84.0	84.0	84.2	84.2
≥ 2500 ≥ 2000	87.9	88.2	85.2	85.2	88.8	6.50 6.80	85.3	88.9	88.9	85.3	83.9	95.3	88.9	85.3	23.3 28.4	85.3 88.9
≥ 1800 ≥ 1500	B7.4	91.3	95.0	95.4	95.5	95.9	95.7	95.7	92.0	95.7	92.0 95.7	92.0	75.0 95.8	95.0	92.0	92.0
≥ 1200 ≥ 1000	90.4	95.7	97.7	98.4	44.4	98.0 98.7	36.5	99.2	99.3	99.3	99.3	78.4	98.4	99.4	99.4	99.4
≥ 900 ≥ 800	90.5	96.8	97.8	98.5 98.5	98.9	60°0 60°0	99.4	97.3	99.4	79.7	99.5	19.5	36.2	99.8	77.5	99.5
≥ 700 ≥ 600	70.5	96.9	31.3	98.5	93.9	97.0	99.5	97.5	99.7	99.7	99.9	79.1	99.9	29.1	79.0	98.8
≥ 500 ≥ 400	90.5	96.8	97.8	80°2 82°2	98.9	50°0	33.7	97,7	99.8	97.8 99.6	99.4	99.4	100.0	100.0	100.0	100 • 0
≥ 300 ≥ 200	40°2 40°2	96.8	97.6	68°%	48.4	åd*Ú åd*€	33.2	99.7	99.8	60°0	45.4	44.9	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	20.5		97.8 97.8	98.5	48.6	34*U	99.5	90,7 99,7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS\_\_\_

2130

USAF ETAC 100 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING PRANCH USAF ETAC AIR HEATHER SERVICEZMAC

### CEILING VERSUS VISIBILITY

40604

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KWAJALFIN MARSHALL IS/BUCHTLE

44-72

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
(FEE <sup>†</sup> )	≥10	≥6	≥5	≥4	≥3	≥21/5	≥2	≥1½	≥1¼	≥1	≥ ¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	\$5.3 64.9	54.6	55.6	- ' '	45.6	51.9 65.6	55.9 45.6	\$5.9	55.9	55.9 65.6	55.9		امد ا	55.9		
≥ 18000 ≥ 16000	45.0	5.30	65.7	65.7	66.2	66.2	65.7	65.7	65.7	45.7	60.2	65.7	65.7	65.7	66.2	66.2
≥ 14000 ≥ 12000	14.9	75.4	75.5	42.0 75.5	75.5	71.9	75.5	75.5	75.5	68.6 75.8	75.5	48.0	75.3	75.5	75.5	73.5
≥ 10000 ≥ 9000	70.7 80.8	61.0	82.2	41.1 42.2	42.2	81.1 82.2	81.2	81.8	81.2	81.2 82.3	82.3	81.7	01.2	81.3	81.2	81.2 32.3
≥ 8000 ≥ 7000	6).4 A).6	83.1	83.7	#3.3 #3.7	43.7	6.63 7.55	83.8	33,4 23,8	83.4	83.4	83.4	63.8	03.4 03.8	83.8	83.9 83.9	83.4 83.8
≥ 6000 ≥ 5000	87.1	83,6	34.3	84.4	83.0	34.3	84.4	83,7 84,4	84.4	84.4	\$3.7	84.4	84.4	83.9	83.9 84.4	84.4
≥ 4500 ≥ 4000	82.3	84.7	85.1	84.4 85.2	45.2	04 · 4	83.2	84.5 85.2	85.2	84.5 85.2	85.2	84.5 85.2	84.5	\$ 50 20 20 20 20 20 20 20 20 20 20 20 20 20	84.3 85.2	87.2
≥ 3500 ≥ 3000	87.5	85,2 85,5	87.4 87.4	85.5 85.8	15.5	89.5	85.9	85.9	85.5	85.9	85.5	45.9	85.9	85.9	85.5	85.9
≥ 2500 ≥ 2000	84.3	86°d	80.3	39.4	89.5	89.5	89.5	80,4	89.5	89.5	89.5	89.5	86.4 99.5	89.5	39.5	87,3
≥ 1800 ≥ 1500	41.0	36.0	96.5	94.0	97.0	94.1	97.1	97.1	97.1	94.3	97.2	94.3	97.2	97.2	94.3	94.3
≥ 1200 ≥ 1000	43.3	97.5	98.7	98.4	99.2	90.7	99.4	94.4	78.8 49.4	99.5	99.5	99.5	74.7	60° 4	99.3	99.5
≥ 900 ≥ 800	93.6	98.0	98.7 98.7	99.0	99.5	99.5	99.7	97.0	99.7	99.8	99.9	99.7	99.7	99.9	79.9	99.4
≥ 700 ≥ 600	03.8	98.0	7 <u>8.7</u>	99.1	99.3	99.5	99.7	90.7	99,7	19.8	99.0	77.9	99.9	99.9	79.4	99.9
≥ 500 ≥ 400	25°8	34.0	98.7	33.1	99.3	97.5	99.7	99.7	99.7	77.8	24.9	90.9	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	77.8 72.8	95.0		09.1	99.5	99.5	99.7	97,7	99.7	97.0	99.9	46.0	100.0	100.0		100.0
≥ 100 ≥ 0	05.4	36.0		99.1	99.5	99.5	92.7	99,7	99.7	44.8	99.9	99.9	100.0			100.0

TOTAL NUMBER OF OBSERVATIONS\_

**3500** 

USAF ETAC  $\frac{\text{FORM}}{\text{AUI 64}} = 0.14.5 \, (\text{OL 1})$  previous editions of this form are obsolete

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DATA PROCESSING MRANCH USAF ETAC AIR WEATHER SEPVICE/MAC

### CEILING VERSUS VISIBILITY

40604

KKAJALEIN MARSHAIL IS/BUCHILZ 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0300

CEILING							VIS	IBILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1%	≥1¼	≥ı	≥¾	≥%	24	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	57.4 63.4	54.2	54.3	54.3 64.3	54.3	54.3 54.3	54.3	\$4.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.7
≥ 18000 ≥ 16000	63.4	64.7	64.3	54.7 64.8	64.7	\$ 44 4 44 4 44 5 44	04.8	64.8	64.8	64.8	64.8	64.3	64.3	64.3	64.3	64.3
≥ 14000 ≥ 12000	45.4 72.8	73.9	74.0	66.3 74.1	64.3	74.1	74.3	66.3 74.1	74.1	74.1	60.3	96.3	14.1	66.3	66.3	66.3
≥ 10000 ≥ 9000	78 · 1 79 · 1	79.6	79.8	79.8	77.8	79.8 80.9	79.9	77.9	79.9	77.9	79.9	79.9	79.9	77.9	79.9	79.9
≥ 8000 ≥ 7000	40.1 40.2	82.1	52.2 82.5	82.5	82.5	82.5	42.3 47.6	97.3	82.A	42.8 82.6	82.6	42.5	82.3	82.3	82.6	82.3
≥ 6000 ≥ 5000	80.4 F1.0	83.0	82.6 83.2	82.7 83.2	62.7 83.2	82.7	02.7	82.7 83.3	\$ 55.3 \$ 2.3	82.7	7.50	12.7	82.7	83.7	92.7 83.3	F. FR
≥ 4500 ≥ 4000	21.2	84.2	84.4	83.0 84.5	44.5	83.6 84.5	83.7	87.7 84.5	83.7	43.7 84.5	87.7	84.5	84.5	83.7 84.5	84.5	83.7
≥ 3500 ≥ 3000	82.5	85.0	85.2	H4.0	85.2	84.6 85.2	84.7	34.7	84.7	85.3	84.7	85.3	15.7	54.7 85.3	84.7	84.7 85.3
≥ 2500 ≥ 2000	85.8	\$6'1 84'0	80.3	30.4 30.4	19.4	86.3	85.3 89.4	86.3 89.4	80.3	80.3 89.4	89.4	4.00	80.4 \$0.3	## 4 #9 4	89.4	89.4
≥ 1800 ≥ 1500	90.9	93,2	94.9	93.7	93.7	98.4	99.7	93.7	96.7	93.7	93.7	93.7	90.0	96.99	93.7	93.7
≥ 1200 ≥ 1000	91.9	97.4	98.1	64°0	99.1	98.6 99.2	99.4	97.4	99.4	99.5	99.5	98.9	98.5	90.9	98.9	98.9
≥ 900 ≥ 800	05.5	97,9	98.7	99.0	99.3	99.2	97.5	99.3	99.5	94.0	77.8	99.8	79.6	99.6	99.8	99.5
≥ 700 ≥ 600	25.5	97.9	98.7	99.0	99.3	99.3	99.3	77.5	77.5	94.7 99.7	99.5	99.8	79.8	99.0	99.5	99.4
≥ 500 ≥ 400	25.5	97.9	98.7	99.0	99.3	99.4	99.5	97.5	99.6	99.8	99.9	99.7	99.9	99.9	79.9	99.4
≥ 300 ≥ 200	92.2	97.9	98.7	99.0	99.3	99.4	99.5	99.6	99.6	30.8	99.9	99.4	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	25.5	97,9	98.7	99.0	99.3	97.4	99.5	97.6	99.6	99.8	99.9	99.4	190.0		100.0	100.0

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_

2201

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC ALR WEATHER SERVICE/MAC

### **CEILING VERSUS VISIBILITY**

40604 STATION

VHAJALEIN HARSHALL ISLANGHULZ

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (STA	ATUTE MIL	ES)	<u>-</u>					
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥14	≥1	≥ ¼	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	44.8 55.6	45.2	45.2 56.2	45.2 36.2	45.2	45.2 34.2	45.2 96.2	45.2 36.2	45.2	45.2	45.2	45.2	45.2	45.2 55.2	49.2	
≥ 18000 ≥ 16000	56.9	56.7 57.5	56.7 57.5	56.7 57.5	50.7 57.5	50.7	56.7 57.5	56,7 57.5	56.7 57.5	54.7 57.5	50.7 57.9	57.5	50.7 57.5	36.7	56.7	55.7
≥ 14000 ≥ 12000	59.0 67.5	50.7	59.7	39.7 68.3	57.7	59.7 55.3	68.3	59.7 68.3	57.7	59.7 68.3	57.7	59.7 68.3	59.7	59.7	59.7	50.7
≥ 10000 ≥ 9000	74.7	76.0 77.7	75.0	77.0	76.1	70.1	77.9	77.9	77.9	70.1	77.4	70.1	70.1	70.1	76.1	74.1
≥ 8000 ≥ 7000	77.0 78.0	79.1	79.1	79.3 80.0	80.0	79.3 80.0	80.0	80.0	79.3	79.43 80.0	80.0	10.0	77.2	79.3 80.0	79.0	70.0
≥ 6000 ≥ 5000	78.2	80.0	90.0 60.8	90°5	90.1	#0.1	80.1	80.1	60.9	80.1	80.9	80.7	80.9	80.4	80.1	80.1
≥ 4500 ≥ 4000	50.1	82.1	82.1	81.4	83.3	82.3	82.3	37.3	82.3	82.3	02.3	42.7	82.7	62.3	81.2	81.2
≥ 3500 ≥ 3000	Fl.3	\$2.0 \$3.5	83.5	83.6	83.0	43.6	43.6	\$3.0	92.4	83.6	83.6	12.8 23.5	82.5	#2.48 #3.6	73.6	83.6
≥ 2500 ≥ 2000	12.1	86.4	88.5	#8.7	88.9	88.9	88.9	28.9	88.9	88.9	68.9	88.9	4.1	30.9	04.7	30.9
≥ 1800 ≥ 1500	60°8	96.0	94.1	96.4	90.0	96.6	73.0	95.8	96.8	94.0	95.0	93.0	90.9	97.0	73.0	96.9
≥ 1200 ≥ 1000	92.0	98.4	92.5	99.0	96.4	99.4	79.5	99.5	99.6	99.8	99.2	99.9	99.	99.4	99.3	99.9
≥ 900 ≥ 800	92.0	98.4	38.0	99.0	99.4	99.4	.09.5	99.5	79.5	99.8	99.9	99.9	99.9	99.9	99.7	99.9
≥ 700 ≥ 600	0.50	98.4	98.6	99.0	99.4	99.4	99.3	90.5	99.0	30.9	99.9	99.9	79.0	99.9	99.9	99.9
≥ 500 ≥ 400	92.0	98.4	98.5	49.0	99.4	99.4	99.5	97.5	99.5	99.8	92.4	79.4 99.4	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	92.0	4.00	78.00 (0.00		99.4	97.4	99.5	99.5	99.5	99.8	99.9	99.0	100.0	100.0		100.0
≥ 100 ≥ 0	92.0	98.4	54.0	99.0		99.4	99.5	90.3	99.6	40.8	99.9	99.4		100.0		100.0

TOTAL NUMBER OF OBSERVATIONS\_

USAF ETAC  $\stackrel{\text{form}}{\text{all of}} = 0.14-5 \, (OL~1)$  previous editions of this form are obsolete

DATA PRUCESSING RRANCH USAF ETAC AIR HEATHER SEFVICE/MAC

### **CEILING VERSUS VISIBILITY**

40604

KHAJALEIN MARSHALL IS/BUCHFILZ 44-72

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0400-1100

CEILING							VIS	BILITY (STA	ATUTE MILI	ES)						]
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1%	≥1¼	≥1	≥¼	≥¾	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	62.8 86.1	43.0 56.5	43.0 56.5			43.0	43.0	43.0	43.0 56.5	43.0	43.0	33.0	43.0	43.0	43.0 56.9	43.0
≥ 18000 ≥ 16000	56.3 57.3	36.7 36.0	54.7 54.0	36.7 30.0	36.7	56.7 58.0	56.7	36.7 58.0	56.7 58.0	58.0	56.7 58.0	56.7	56.7	50.0	36.7 58.0	76.7
≥ 14000 ≥ 12000	61.0 69.3	69.7	61.5	47.7	69.9	61.3	49.9	69.7	69.9	49.5	69.9	41.5	49.9	61.05	69.7	69.7
≥ 10000	77.6	77.1	77.2	77.2	77.2	77.3	77.2	77.2	77.2	77.2	77.2	77.2	77.1	77.2	77.2	77.2
≥ 8000 ≥ 7000	79.5	80.8	00.9	80.9	41.5	80.9	80.9	81.5	80.9	80.9	80.9	80.9	11.3	81.5	81.4	80.9
≥ 5000 ≥ 5000	79.9	82.7	87.8	81.9	82.9	81.9	82.9	\$1.9 \$2.9	81.4	67.9	42.9	81.9	82.7	42.9	81.9	82.9
≥ 4500 ≥ 4000	8.13	82.R		83.() 81.7	93.7	83.7	83.0	83.7	83.7	83.7	83.8	83.6	83.0	43.00 43.00	87.3	83.8
≥ 3500 ≥ 3000	82.7	84.9	85.0		85.1	89.1	85.1	84.5 85.1	85.1	85.1	89.1	85.1	85.1	84.4	89.1	83.1
≥ 2500 ≥ 2000	87.0	85.7	90.0		90.2	90.2	90.2	90,2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800 ≥ 1500	71.3	95.4	93.3	93.5		93.2	76.4	93.6	93.6	95.5	76.5	75.0	76.5	97.4	73.6 76.5	96.3
≥ 1200	92.3 92.3	97.6	98.3	98 6 6 89	99.0	99.0	99.4	98.6	99.5	99.5	99.7	99.7	99.7	70.0	99.7	96.4
≥ 900 ≥ 800 ≥ 700	92.4	97.6 97.6	2 50 2 50 2 50 2 50 2 50 2 50 2 50 2 50	78.7 98.7	99.0	99.0	99.5	90.6	99.0	99.7	99.9	99.4	100.0	100.0	100.0	100.0
≥ 600	\$2.4 \$2.4	97.6	98.3	98.7	99.1	99.0	49.5	99,6	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0
≥ 500 ≥ 400 ≥ 300	97.4	97.6	98.3	98.7	99.0	99.0	99.5	99.6	99.4	99.7	99.9	99.9	100.0	100-0	100.0	100.0
≥ 200	97.4	97.6	98.3	98.7	99.0	99.0	79.5	99.6	99.6	97.7	29.4	40.0	100.0	100.0	100.0	100.0
≥ 100	97.4		22.	99.7	99.5		99.3	~ = 1	97.6	99.7	99.9	99.9		100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS.....

USAF ETAC 108M 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1

DATA PRUCESSING HRANCH USAF ETAC AIR MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

40604 STATION

SUCKDIRVET LIGHTRAM HTTSLAHY

44472

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

Ctiling							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2%	≥2	≥1⅓	≥1¼	≥ı	≥¼	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	42.7	42.B	2 - 2	42.8 58.7	12.5	42.8	42.8	58.7	42.8	42.6	47.8	42.0 58.7	42.0		42.8	
≥ 18000 ≥ 16000	59.0	59.1	57.1 60.1	39.1	60.1	59.1	59.1	50.1	59.1	50.1	59.1 60.1	50.1	59.1	59.1	59.1	59.1
≥ 14000 ≥ 12000	62.0 71.1	71.6		71.0	62.5 71.6	71.6	71.6	62,5	62.5	71.6	71.6	71.5	71.6	71.6	71.0	71.6
≥ xc00 ≥ xc00	18.0 En.1	79.0	79.0 81.1	79.0 Bl.1	81.2	79.1	91.2	79.1	79.1	70.1	79.1	79.1	79.1	81.2	79.1	79.1
≥ 8' 00 ≥ 7000	81.9	83.3	87.3	6.58 E.58	83.4	33.4	42.9 43.4	83.4	63.4	87.4 83.4	83.4	83.4	112.9 113.4	87.9 87.4	83.4	87.4
≥ 6000 ≥ 5000	83.3	83.6	84.7	84.7	74.7	83.8	84.7	84.7	84.7	84.7	74.7	84.7	83.9	83.9	8.3.4	83.9
≥ 4500 ≥ 4000	83.4 84.4	\$5.9	85.9	84.6 85.9	85.9	85.0	85.9	85.9	85.4	85.9	85.9	84.9	14.7 16.0	86.0	84.9	86.0
≥ 3500 ≥ 3000	84.9	80.1	80.0	86.6	86.7	86.2	86.8	30.8	86.4	86.6	56.4	96 d	96.0	86.8	86.8	86.6
≥ 2500 ≥ 2000	88,4	90.5	90.5	90.6	90.7	90.7	90.8	70.8	90.5	90.9	90.9	90.9	91.0	91.0	91.0	91.0
≥ 1800 ≥ 1500	92.8	90.0	96.0	96.4	94.4	96.7	97.0	97.0	97.0	97.0	94.5	97.0	94.5	97.1	94.4	94.6
≥ 1200 ≥ 1000	93.7 93.9	97.6	98.2	98.5	99.0	30.0	79.4	99,4	99.4	99.5	99.	99.5	24.6	99.6	99.7	99.7
≥ 900 ≥ 800	73.9	97.8	98.7	98.5	99.0	94.0	99.4	99,4	99.4	99.6	99.0	99.5	04.7	97.7	99.0	99.8
≥ 700 ≥ 600	97.9	97.8	9ā.2	98.5	99.0	97.0	99.4	99.4	99.4	45°9	79.0	77.0	99.7	39.7	99.0	97.0
≥ 500 ≥ 400	63.9 63.9	97.5	94.2	93.4	99.0	99.0	46.7	97.5	99.5	99.6	99.7	99.7	99.9	20.0	100.0	130.0
≥ 300 ≥ 200	93.9	97.8	98.7	99.5	99.0	9920	99.5	99,5	99.5	99.6	79.7	99.7	99.9	99.9	100.0	100.0
≥ 100 ≥ 0	93.9	97.8	98.7 98.7	¥8.5	99.0	99.6	99.5	97.5	99.5	99.6	99.7	99.	99.9	97.9	700.0	100.0

TOTAL NUMBER OF OBSERVATIONS\_

1055

USAF ETAC FORM U-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE GASCLETE

DATA PROCESSING PRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

40604

YWAJALEIN HARSHALL IS/BUCHNLZ 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IRITTY (ST.	ATUTE MIL	ES)					· · · · · · · · · · · · · · · · · · ·	
(FEET)	≥10	Δi	≥\$	≥4	≥3	≥2⅓	≥2	≥1%	≥1¼	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	91.5 36.7	57.1	61.7 57.1	\$1.7 \$7.1	41.7	41.7	57.1	41.7	41.7	41.7	41.7	57.1	41.7	41.7 57.1	41.7	41.7
≥ 18000 ≥ 16000	58.0	57.6	57.6 38.4	57.6 58.4	57.6	57.6 58.4	58.4	57.6 58.4	57.6	57.6 58.4	57.6 58.4	37.6 38.4	57.6	57.6 58.4	37.0	37.6 58.4
≥ 14000 ≥ 12000	69.1	69.7	50.5	60.0	69.8	60.0	69.6	60.6	49.8	40.0	67.8	69.8	69.6	8.09		9.09
≥ 10000 ≥ 9000	75.1 78.8	76.2		78.0	75.3	76.3	78.0	76.3	76.3	76.3	انساليونسا	76.3	76.2	76.3	76.3	
≥ 8000 ≥ 7000	77.7 78.4	79.1		79.2 80.1	90.1	77.2 80.1	80.1	77.2 40.1	79.2	79.7	77.2	79.2	90.1	80.1	79.2 80.1	79.2
≥ 6000 ≥ 5000	78 . 8 20 . 3	80.4	80.5 82.0	űz. I	90.5	82.1	82.1	80,5 87,1	82,1	80.5	80.5	80.5	42.1	80.5	82.1	82.1
≥ 4500 ≥ 4000	91.1	82.9	-	83.0		82.8 3.68	82.2	82.2	52.2	47.2 83.0	63.0	83.0	92.2	13.0	83.0	33.0
≥ 3500	F1.8	83.7	83.9	83.9	83.5 43.9	84.5	84.0	84.0	84.0	84.0	83.5	83.3	83.5 H4.0	84.0	83.5	84.0
≥ 2500 ≥ 2000	87.4 85.8 88.9	86.1	88.3	88.4		88.5	84.5 88.6	88.6	88.6	80.0	88.6	84.3	88.6	86.0 86.6	88.4	88.5
≥ 1800 ≥ 1500 ≥ 1200	90.7	94.9	93.3	95.5	95.6	97.4	95.9	92.9	96.0	96.0	95.8	96.0	96.0	96.0	96.0 96.0	36.0
≥ 1200 ≥ 1000 ≥ 900	72.4		98.3 98.3	58.7 93.7	99.1	94.1	09.5	97.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	79.7
≥ 800	97.4	97.6	9A 3	78.7	99.1	99.2	99.4	99.5	99.5	99.7	99.7	99.8	79.8	49.4	77.0	99.4
≥ 600	92.3	97.0	98.3	98.7	99.1	99.2	99.5	99.5	99.5	99.7	99.7	79.0	79.9	100.0	99.9	99.9
≥ 400 ≥ 300	92.5	97.6	98.4	98.6	99.2	99.3	79.6	97.6	99.6	99.9	49.9	79.0	100.0	00.0		100.0
≥ 200	97.5	97.6		98.6	99.7	99.3	99.6		99.6	99.9	99.9	99.9	100.0	100.0	100.0	
≥ 0	97.5			54.8	99.5	99.3	79.6		99.6	99.9	12.44	99.3	100.0			103.0

2200 TOTAL NUMBER OF OBSERVATIONS

USAF ETAC MAGA 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/HAU

### CEILING VERSUS VISIBILITY

40604

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KMYTY IN HOUSHAFF 12 APPICHUTS

44-72

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1600-2000

CEILING							VIS	BILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥૧	21%	≥14	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	41.7 57.8	42.1 58.3	1.50 58.3	58.3	42.1	58.3	42.1 58.3	42.1	42.1	47.1 58.7	47.1	42.1	42.1	42.1	42.1	47.1
≥ 18000 ≥ 16000	50.5	59.0	59.0 60.1	\$9.0 60.1	59.0	50.0	59.0	59.0	57.0	50.0	59.0		59.0	59.0	59.0	59.0
≥ 14000 ≥ 12000	62.1 76.1	70.8	57.6 70.5	70.8	62.6 70.9	70.9	70.9	70.9	62.6	70.9	70.9	42.0	62.6	62.0 70.9	70.9	67.6
≥ 10000 ≥ 9000	77.0	75.7	76.7	75.7	76.8	76.8	70.0	76,8 78,3	76.6	76.4	76.8	76.8	74.3	75.4	70.8	70.0
≥ 8000 ≥ 7000	77.8 78.1	79.5	79.9	79.9	70.5 80.0	79.4 80.0	79.4 80.1	79.5 80.1	79.5 AO.1	79.5 80.1	79.5 60.1	79.5 80.1	79.6 80.1	79.4	79.5	77.5 80.1
≥ 6000 ≥ 5000	75.4	80.2	00.7 81.3	80.2	80.5	01.4	81.5	40.4 81.5	80.4	80.4	81.5	80.4	80.4	80.4	80.4	81.5
≥ 4500 ≥ 4000	77.8	82.5	81.7	81.7 87.5	5 F · V	81.8	07.6	\$1.9 \$2.7	81.9	82.7	51.7	91.7	81.7	41.5 47.7	81.9	61.9
≥ 3500 ≥ 3000	81.1	83.1	42.9	82.7 83.1	83.6	S.ES	93.0 83.2	83.1	83.1	83.3	83.3	43.1	83.3	83.1	83.1	63.3 6.58
≥ 2500 ≥ 2000	81.7	87.1	83.7	43.7 87.2	83.9 87.4	57.4	84.0	87.5	84.0	84.0	84.0	84.0	87.5	84.0	87.5	84.0
≥ 1800 ≥ 1500	88.2 69.9	91.7	94.9	92.0	95.5	92.2	92.3	92.5	92.3 95.6	92.3	95.6	92.3	75.6	92.6	72.3	95.5
≥ 1200 ≥ 1000	91.5	97.8	97.4	98.7	99.0	90.0	79.3	97.5	99.5	99.7	99.7	99.7	98.4	99.7	79.7	78.4
≥ 900 ≥ 800	91.5	97.9	97.5	98.9	99.2	33.5	99.0	99.5	99.5	99.9	99.9	77.0	100.0	100-0	100.0	100.0
≥ 700 ≥ 600	20.00	98.0	94.5	98.9	99.2	99.2	99.7	99.8	97.6	97.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	91.5	98.0	98.5	98.9	79.2	30.2	99.7	97.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	71.5	98.0	98.5	68.0	99.3	99.3	99.7	97.6	99.5	100.0	100.0		100.0	100.0	100.0	0.001
≥ 100 ≥ 0	91.5	98.0	98.5		29.3	94.3	99.7	79.8	99.5						100.0	

TOTAL NUMBER OF OBSERVATIONS 2201

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE CRESCRETE

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خبور طو بهوده بايدد

DATA PROCESSING RRANCH USAF ETAC AIR HEATHER SERVICE/MAC

### **CEILING VERSUS VISIBILITY**

40604

KHAJALTIN MARSHALL IS/BUCHDLZ 44-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

7100-2300

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥?	≥1%	≥1¼	≥۱	≥¼	≥%	≥%	≥ 5/16	≥4	≥0
NO CEILING ≥ 20000	50.4 62.4	50.7	50.7 63.0	50.7	50.7	50.7	30.7	50.7 63.0	50.7	50.7	50.7	30.7 63.1	50.7	50.7	50.7	90.7 63.0
≥ 18000 ≥ 16000	63.7	64.3	64.3	43.5	3 d	49.5	03.5	63.5 64.3	63,5	64.3	64.3	63.5	64.3	63.5	04.3	64.3
≥ 14000 ≥ 12000	65.3 73.7	65,9 74,5	74.5	55.9 74.5	65.9 74.6	74.6	74.6	45.0 74.6	74.6	74.6	74.6	74.6	65.9 74.6	74.6		74.6
≥ 10000 ≥ 9000	77.0	79.2	79.2	79.7	79.3	80.4	77.7 80.4	79.3 PO.4	79.3	79.3 80.4	77.3	79.1	79.3 80.4	79.3 80.4	79.3	79.3
≥ 8000 ≥ 7000	79.7 80.0	87.4	81.7	41.7 87.3	81.8	81.8	81.4	81.H 82.4	81.0	87.4	81.6	81.4	81.4	81.6	81.8	81.8
> 6000 ≥ 5000	80.7	65.8	82.9	83.0	82.5	33.1	82.5	87.5	82,5	83.1	83.1	62.3 83.1	82.5 H3.1	92.5	82.5	83.1
≥ 4500 ≥ 4000	F1.0	64.3	84.5	83.3	13.4 14.0	83.4	14.6	63,4	83.4	83.4	83.4	83.4 84.6		83.4 84.6	84.6	84.6
≥ 3500 ≥ 3000	83.0	85.2	85.4	85.3	95.3	\$5.3	85.3	85.5	85.3	85.3	85.3	85.3	85.5	83.5	85.3	85.3
≥ 2500 ≥ 2000	43.6	88.5	86.9	76.5 88.8	86.5	86.9	99.0	80.0	89.0	89.0	59.0	80.0	80.5	80.5		
≥ 1800 ≥ 1500	90.9	98.6		2007	90.0	75.6	30.9	93.3	96.6	93.4	96.7	95.7	96.7	97.4	96.7	93.4
≥ 1200 ≥ 1000	61.8	97.3	97.7	98.8	78.6	78.6	99.4	49.5	94.7	98.7	29.7	78.7	99.7	97.7	94.8	99.8
≥ 900 ≥ 800	71.5	77.5 97.5	98.4	99.0	99.5	99.5	99.5	97.6	99.0	97.8	77.8	19.8	99.9	99.9	100.0	100.0
≥ 700 ≥ 600	91.6	97.8	98.4	99.0	79.5	99.5	79.5	97.6	99.5	99.8	79.8	79.8	99.5	99.9	100.0	100.0
≥ 500 ≥ 400	92.6	37.5	97.4	99.0	99.5	99.5	99.5	99.6	99.6	99.8	97.4	77.8 99.8	100.0	100.0	100.0	100.0
≥ 300	91.8	97.8	98.4	99.0	99.5	99.5	99.5	97.6	99.6	99.6	49.5	99.8	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	91.8	97.5	98.4	99.0	49.5	99.5	99.5	97.6	99.6	- A -	99.8	99.9	100.0	100.0		100.0

2200 TOTAL NUMBER OF OBSERVATIONS\_\_\_\_\_

USAF ETAC NU 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### PART D

#### SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

- 1. By month and annual all hours and all years combined.
- 2. By month by standard 3-hour groups.
- NOTE: #1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.
- NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

OKTAS	1 ENTHS
0 1 2 3 4	0 1 3 5
5 6 7 8 (or obscured)	8 - 1 9 10

DATA PROCESSING BRANCH ETAT/USAF AIR REATHER SERVICE/MAC

**SKY COVER** 

40604

KWAJALEIN MARSHALL IS/BUCHOLZ

46-72

ALL

STATION

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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MONTH	HOURS				PERCENTÁGI	FREQUENC	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL
MONIA	(L.S.T.)	0	1	2	3	4	5	6	7		9	10	SKY COVER	NO. OF OBS
HAL	ALL	.6	2.0	4.0	8.5	7,9	7,2	6,1	7.8	10.1	6.1	37.7	7.1	16113
FEB		.7	2.6	5.6	8.9	8.3	7.4	6.2	6.5	9.0	5.3	39.2	7.1	14685
HAR		,7	2.0	5.0	7.7	6,9	7.0	5.4	7.0	9,6	6.1	42.9	7.4	14597
APR		.3	1.2	3.0	4.8	5,7	4.5	5.6	7.3	11.2	7,8	46.6	7.7	15225
YAF		, <b>3</b> , .	.8	2.8	5.2	6,3	7.1	5.8	7.5	11.1	8.0	45.1	7,8	16111
NUL		.2	1.1	3.4	6.8	6.9	7.5	5,5	7.7	10.7	7.9	42.5	7.6	14863
JUL			.8	3.1	5.5	6.9	7.0	5.9	8.5	11.0	7.2	43.1	7.7	16106
AUG		,2	1.1	3,2	5,7	6,6	7.6	6.2	8.0	11.5	8.0	42.0	7,7	16114
SEP		.3	1.1	4.0	5.4	5.7	7.3	5.4	7.8	10.2	7.5	45.3	7.7	15592
UCT		.1	,9	2.7	4.7	5.9	6,9	5.2	7.7	10.8	8.2	47.1	7.9	16095
иру		. 2	• 9	2.6	4.7	6.3	7.2	5.3	8.0	10.7	7.2	47.0	7.9	12601
DEC		,5	1.3	3.6	5.0	7.3	7.5	5.3	7.1	10.3	6.5	44.5	7.6	16118
101	TALS	.3	1.3	3.8	6.2	6.7	7,3	5.7	7.6	10.5	7.2	43.6	7.0	187220

FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. USAFETAC

DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

### SKY COVER

40604

KWAJALEIN MARSHALL ISZBUCHOLZ

46-72

JAN

STATION

STATION NAME

PERIOD

HONTH

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	NO. OF OBS.
JAN	00-02	.2	2.1	9.1	12.7	8.2	7.2	6.8	8.4	10.0	3.8	31.5	6.6	2013
	03-05	.7	2.5	9.5	10.2	9,2	7.4	4.1	7.5	10.0	3.9	32.3	6.6	2015
	06-08	.5	1.6	4.1	6.9	7.4	8.4	6,2	9,2	11.5	6.4	37.9	7.3	2015
	09-11	.5	2.7.	3,8	6.8	7.1	7.4	6.0	7.4	9,5	7.8	41.4	7.4	2015
	12-14	1.1	2.6	4.2	6.9	4.1	4.5	5,8	7,9	10.3	6.5	40.1	7.2	2014
	15-17	.9	2.4	3.8	7.4	8.1	6.3	4.9	6.7	9.6	8.5	41.4	7.4	2014
	18-20	.5	1.6	5.7	6.3	8.1	6,5	5,1	7.3	10.2	7.4	42.3	7.5	2013
	21-23	. •	1.3	6.6	10.4	9,3	7.7	7.7	7,4	9,3	4.8	34.3	6.4	2014
				·										- 4
					•									
10	TALS	.6	2.0	<b>\$.</b> 0	8.5	7.9	7.2	4.1	7.4	10.1	4.I	37.7	7.1	16133

USAFETAC FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

**SKY COVER** 

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KWAJALEIN MARSHALL IS/BUGHOLZ

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STATION NAME

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAG	E FREQUENC	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MONTH	(t.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS.
FEB	00-02	,5	3.5	9.5	10.9	9,6	7.4	7.5	5.3	7.5	4.0	34.1	4.3	1836
	03-05	.2	2.3	9.0	10.3	10.8	7.3	5,6	7.7	7.6	4.5	34.5	6.7	183
	06-08	, 3	1.6	4.2	8.9	8.0	8.3	6.5	6.7	10.6	5.9	39.1	7.2	183.
	09-11	1.1	2.6	3.7	8.4	7.2	4.6	5,9	6.9	9.6	6.2	41.6	7.3	183,
	12-14	1.0	3.1	<b>5.2</b>	7.2	6.4	7.4	5,9	6.9	8.4	6.0	42.8	7.3	183
	15-17	,9	2.9	4.4	7.2	7.6	7.6	4,4	6.7	<b>#,5</b>	6.7	43.0	7.3	183
	18-20	,5	1.7	4.1	7.8	8,5	4.9	6.2	5,9	10.2	6.0	42.0	7.4	183
	21-23	.7	3,3	5,6	10.4	8.2	7.7	7,8	6.2	9,8	3.4	36.5	6.8	1834
				•										
10	TALS		2.4	5.6	8,9	4.3	7.4	<b>6.2</b>	6,5	2.0	5.3	39.2	7.1	1468

FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. USAFETAC

DATA PROCESSING BRANCH ETAC/USAP AIR MEATHER SERVICE/MAC

### **SKY COVER**

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STATION NAME

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MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OFSERVATIONS)

MONTH	HOURS				PERCENTAGE	E FREQUENC	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MONIN	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	O85.
MAR	00-02	.7	3,3	7.5	10.5	9.1	7.0	5.1	4.4	7.7	3.5	39.2	6.4	1822
	03-05	,3	2.7	7.7	10.3	7.6	7.4	5.2	7.0	6.9	3.9	40.8	7.0	182
	06-08	,5	1.5	2.6	5.8	6,5	7.6	6.1	7.4	12.2	7.2	41.9	7.6.	1826
	09-11	.7	1.3	4.0	6.2	5.6	0.4	4.9	7.1	11.6	7.8	44.2	7.7	1826
	12-14	1.1	1.9	3.4	5.4	5,9	6.6	5.2	6.9	10.5	7.6	44.2	7.0	1823
	15-17	.7	1.7	3.7	6.8	6.6	6.3	5,5	6.9	9.8	8.2	44.0	7.6	1822
	18-20	.3	1.5	2.7	6.7	5,8	7.2	5,9	7.2	3,8	6.1	47.6	7.7	1826
	21-23	1.0	1.9	7.1	8.4	7.7	7.7	5.1	6.7	9.2	4.2	41-1	7.1	142
10	TALS	•7	2.0	5.0	7.7	6.9	7.0	5.4	7.0	9.6	6.1	42.9	7.4	1459

USAFETAC FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PRUCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

**SKY COVER** 

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KWAJALEIN MARSHALL IS/BUCHOLZ

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STATION NAME

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MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGI	FREQUENC	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MOIIII	(L.S.T.)	0	1	2	3	4	5	6	,	8	,	10	SKY COVER	OBS
A₽R	00-02	.3	1.6	4.9	6.7	8.0	7.2	6,3	4.1	8,7	5.3	44.9	7.5	1902
	03-05	.2	1.5	5,3	6.8	7.3	7.8	6.8	7.2	10.0	4.9	42.2	7.4	190
	06-08	.1	•7	1.3	3,9	4.6	6.4	5.2	7.3	13.7	9.5	47.3	8,2	190
	09=11	.5	•?	1.6	3,6	5.1	5.7	5.1	0.1	11.5	9.3	49.8	4.1	1905
	12-14	.4	1.0	1.9	3,5	4.4	6.0	4.8	8.1	11.1	8.7	30.0	8,2	1905
	15-17	,3	1.5	1.9	3.8	4.9	6.0	5,4	6.7	11.4	10.8	47.4	8.1	1902
	13-20	• 3	1.3	2,2	4,3	4,5	5.5	4.4	6,7	12.7	7.7	30.3	8.1	1901
	21-23	.4	1.7	4.7	5.7	6.4	7.6	6.6	8.1	10.7	5.8	42.1	7.5	1900
to	TALS	.3	1.2	3.0	4.8	5.7	6.5	5.6	7.3	11.2	7.4	46.6	7.9	1522

USAFETAC FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/HAC

**SKY COVER** 

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KWAJALEIN MARSHALL IS/BUCHOLZ

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGI	FREQUENC	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MUNIN	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS.
HÁY	00-02	.6	1.5	5.5	7.5	8.7	7.3	7.0	7.1	7.8	4,3	42.6	7.3	2019
	03-05	.4	1.7	3,4	7.8	7.0	4.6	6,2	7.7	9.0	4.7	41.4	7.3	2013
	06=08	.1	,5	2.0	4,1	5,1	7.1	4,8	8.1	17.5	10.0	44.7	8.0	201
	09-11	,3	• •	1.6	3,9	6.0	6.7	6,3	9.0	12.1	10.0	43.8	8.0	201
	12-14	.2	•\$	1.2	4.3	5,9	7.7	6.4	7.7	11.8	9,5	44.9	8.0	2013
	15-17	11	. 6	1.4	3,6	5,7	6.6	4,4	7.0	11.8	11.2	47.5	8.2	2017
	18-20	.3	15	1.8	3.7	5.4	5.0	4.9	7.3	12,8	8,3	50.1	8.2	2014
	21-23	.4	1.2	3,5	6.4	4.9	7.4	6.1	6.3	9.7	5.9	45.9	7.6	201
10	TALS	.3	•8	2.8	5.2	4.3	7.1	5,8	7.5	11.1	4.Q	45.1	7.8	1411

FORM 191 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. USAFETAC

DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC **5** 

**SKY COVER** 

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAG	FREQUENC	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MUNIH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	08%
NUL	00-02	.4	1.5	5.9	10.9	8.7	8.3	5.7	6.6	7,9	4.8	39.4	7.0	1854
	03-05	•1	2.5	5.5	9.3	7.4	6.0	7.6	7.4	8.2	4.4	39.6	7.1	1854
	06-0#	•1	.5	2,2	4.9	5.8	6.7	5,4	8.6	12.2	8.7	44.8	7.9	1858
	09-11	•1	• 8	2.7	5.0	6.1	7.4	3.0	7.4	12.9	9.2	43.1	7.8	1039
	12-14	,3	.9	2.0	5.6	6,8	6,3	4,5	9.1	12.1	10.9	41.5	7.8	1856
	15-17	•1	• 2	2.1	4.4	4.3	6.4	5,3	8.0	12.7	10.4	43.6	7.9	1851
	18-20	.2	.6	1.9	5.1	6.4	8.0	4.7	5,9	10.1	9,5	47.3	8.0	1860
	21-23	•2	1.2	5.0	8.9	7.3	9.8	5.3	8.0	9,4	5.2	40.8	7.3	1859
10	TALS	.2	1.1	3.4	6.8	6.9	7.5	3,5	7.7	10.7	7,9	42.5	7.6	14863

FORM UL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. USAFETAC

DAŢA PROCESSING BRANCH ETAC/USAF AIR HEATHER SERVIÇE/MAC

**SKY COVER** 

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KWAJALEIN MARSHALL IS/BUCHULZ

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STATION NAME

PERIOD

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENTH	S OF TOTAL	L SKY COVER				MEAN TENTHS OF	TOTAL
MONIA	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	015.
JUL	00-02		1.4	6.6	8.4	8,4	1.6	7.5	7.4	₹.0	3.8	40.0	7.1	201/2
	03-05		1.4	5.3	9.2	1.5	4.2	7.4	8.2	ē.5	4.0	39.2	7.1	501;
	06-08	•1	• •	2.5	3.7	6,3	9.0	5.0	10.3	13.0	8.2	41.5	7.8	2013
	09-11	•1	•5	1.2	4.5	5,8	7.7	4.7	9.6	12.1	10.9	43.0	3.0	2011
	12-14		٠,6	1.5	3.7	5.6	6.3	5.8	8.7	13.7	9,7	42.2	7.9	2013
	15-17		.5	1.5	3.9	5,5	6,9	5.4	8,5	12.9	8.5	46.3	8,1	2013
	18-20	.0	,5	1.9	3.7	4.4	6.4	4,8	8.0	10.5	8.4	48.9	8.1	2014
	21-23	•0	.8	4.0	7.1	8.6	8.0	6.9	7.4	7.0	4,4	43'-6	7.5	501,2
to	TALS	.0	.9	3.1	5.5	6.9	7.9	5.9	4,5	11.0	7.2	43.1	7.7	1610

FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. USAFETAC

DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/HAC

SKY COVER

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KWAJALEIN MARSHALL IS/BUCHULZ

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STATION NAME

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MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAG	E FREQUENC	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
	(L.S.T.)	0	1	2	3	4	5	6	,	8	9	10	SKY COVER	085.
AUG	00-02	• •	1.9	4.7	8.9	7.3	7.5	6,3	7.6	7.3	4.5	41.4	7.3	201
	03-05	.3	5+0	7.1	7.5	8.2	8.5	6,6	7.8	8,9	4.9	30.1	7.0	201
	06-0#	• 1	1.0	2,9	5,2	6.6	7.3	6,5	8.1	12.9	8.0	41.4	7.7	201
	09-11		•å	2.0	4.1	6.0	9.4	6,3	7.8	11.5	9,3	42.7	7.8	201
	12-14		Ģ	1.6	5.4	5.9	7.4	6.0	8.5	13,6	12.0	39.2	7.8	201
	15-17	.0	.5	1.5	4.3	5,5	7,2	6.1	9.5	13,6	10.0	41.8	7,9	201
	18-20	.1	,5	2.3	3,5	وفيا	6.6	5-1	6.9	12.4	10.3	44.2	8.1	201
	21-23	.6	1.0	3.8	6.5	7.3	7.2	6.6	7.5	9.5	5.Q	44.9	7.6	201
	TALS	.2	1.1	3,2	5.7	4.6	7.6	6.2	8.0	11.5	4.0	42.0	7.7	1611

USAFETAC FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

**SKY COVER** 

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KWAJALEIN MARSHALL IS/BUCHOLZ

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STATION NAME

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGI	E FREQUENC	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MONTH	(L.S.T.)	0	1	2	3	4_	5	6	7_	8	9	10	SKY COV'R	085.
SEP	00-02	.6	1.5	7.0	7.3	7.2	7.6	4,9	7.1	7.8	4.1	44.5	7.3	195
	03-05	•4	1.8	4.6	7.7	8.7	9.0	6.0	7,9	8.1	4.2	39.5	7.1	194
	06-08	.1	1.0	3.3	4.4	4.8	7.3	5,5	9.1	12.2	7.7	45.6	7.9	194
	09-11	.1	1.1	2.3	4,3	4.3	6.9	5,4	8.8	10.7	9.6	46.5	8.0	195
	12-14	•2	.9	3.4	4,3	4.8	6.8	5,2	9.4	12.3	10.3	42.6	7.9	195
	15-17	.1	.8	2.6	3.7	4.4	6.7	6,6	7.7	10.5	10.9	45.9	8,5	194
	18-20	.2	٠٤	2.0	5.0	4,6	U.8	4.7	6.2	11.6	0.1	30.9	8.1	194
	21-23	.6	1.3	4.9	6.1	6,8	7.0	5.2	7.0	9.2	5.1	46,8	7.6	195
το	TALS	.3	1.1	4.0	3.4	5.7	7.3	5,4	7.8	10.2	7.5	45.3	7.7	1559

FORM U.S. (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. USAFETAC

DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

SKY COVER

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KWAJALEIN MARSHALL IS/BUCHOLZ

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STATION NAME

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAGE	FREQUENC	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	085.
UCT	00=02	•1	1.4	5.1	7.0	7.3	7.0	4.8	7,8	8.9	5.7	44,8	7.5	2012
	03=05	.1	1.2	4.5	8.0	7.5	7.9	6.9	7.7	10.8	5.2	40.3	7.3	201
	80=60	.1	,3	1.4	3,9	5.7	6.7	5.7	7.6	13.3	9.0	46.4	8,1	201
	09-11		,7	1.7	3,6	5.7	6.8	5.1	7,5	12.5	7.4	46.9	8.1	201
	12-14	•0	Ę,	2,0	3,8	6.1	7.0	5,5	8.1	11.5	9.7	45.8	8.0	201
	15-17	•0	.3	1.5	2.8	4.4	7.3	4.1	7.2	11.2	10.7	30.4	8.3	201
	18-20		•8	2.1	3,3	4.7	5,#	4,5	7.0	9.4	8.9	53.6	8.3	201
	21-23	. 2	1.4	3.0	5.1	6.1	6.7	5.1	8.4	8.5	6.6	48.4	7,6	201
TC	DTALS	.1	.9	2.7	4.7	5.9	6.9	5.2	7.7	10.8	8.2	47.1	7.4	1609

FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. USAFETAC

DATA PROCESSING BRANCH ETAC/USAF AIR WEAT . JERVICE/MAC JERVICE/MAC

**SKY COVER** 

KWAJALEIN MARSHALL [S/BUCHOLZ 40604

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAG	FREQUENC	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
	(L.S.7,)	0	1	2	3	4	5	6	7	•	<u>                                     </u>	10	SKY COVER	085.
אטע	00-02	.1	•9	4.6	7.1	9.3	8.5	6,2	1.3	9.7	4.3	41.0	7.3	195
	03-05	.3	1.1	4.4	7.1	9.4	8.9	6.8	8.8	9.1	5.3	39.8	7.2	195
	06=08	.2	•#	1.7	4.1	5,3	7.0	5,9	8.4	12.3	8.8	45.5	8.0	195
	09-11	.1	1.2	1.3	4,5	5.3	7.3	5.0	7.5	10.8	10.0	47.0	8.0	195
	12-14	,2	٦,	1.6	3,5	4.8	5.5	4,6	8.4	12.4	9.4	48.9	8.2	195
	15-17	.1	۰٥	1.5	2.9	4.8	6,5	4.3	7.3	10.5	9.6	51.8	8,3	195
	18-20	.,	.6	1.8	3,2	4,5	5,4	5,2	8.4	10.9	5.8	54.1	8.3	195
	21-23	.2	1.0	3.5	4,9	7.3	*.2	5,9	4.6	7,5	4.4	48.6	7.8	195
TO	TALS	•2	.9	2.6	4.7	4.3	7.2	5,5	8.0	10.7	72	47.00	7.9	1560

FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. USAFETAC

DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

**SKY COVER** 

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KWAJALEIN MARSHALL IS/BUCHOLZ

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STATION NAME

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAG	E FREQUENC	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MUNIH	(L.S T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	085.
DEC	00-02	.6	1.8	5,3	8.5	9,7	9.0	6,4	8.9	10.4	4.2	35.1	6.9	2014
	03-05	.7	1.7	5.3	9.3	11.0	9.4	6.5	7.3	10.1	4.2	34.5	6.9	2015
	06=08	,3	1.3	2.8	5.2	6.3	7.9	6,5	6.6	12.2	8.4	42.8	7.7	201
	09-11	.4	1.1	2.8	4.6	6.2	4.1	4,9	6.6	11.0	9.2	47.1	7.9	201
	12-14	,6	1.3	2.9	5.4	5,8	6.5	3,6	6.1	9.0	7.5	51.3	8,0	201
	15-17	.3	1.1	2,9	5.0	5.6	7.0	3,5	5.9	9.8	7.5	51.4	840	2014
	18-20	,3	1.0	2.4	4.7	5.7	6.8	4.8	7.0	9,6	6.1	51e5	8.0	201
	21-23	.4	1.1	4.6	6.9	9.1	7.2	6.0	8.4	10.4	4.6	42.3	7,4	201
					· · · · · · · · · · · · · · · · · · ·									
TO	TALS	.5	1.3	3.6	4.2	7,3	7.5	5,3	7.1	10.3	6.5	44.5	7.6	1611

FORM UL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. USAFETAC

DATA PROCESSING DIVISION ETAC/USAF AIR WEATHER SERVICE (MAC) ASHEVILLE, NORTH CAROLINA

#### PART E

#### PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dev points, and relative humidity. The order and manner of presentation follows:

- 1. Cumulative percentage frequency of occurrence derived from daily observations and presented by month and annual for Wil years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
- 2. Extreme values derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature

NOTE: A supplementary list also provides extreme temperatures

b. Extreme minimum temperature when less than a full month is reported.

- 3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

  This tabulation is derived from hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

Frank Standard Col

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares  $(\sum X^2)$ , sums of values  $(\sum X)$ , means  $(\overline{X})$ , and standard deviations  $(\sigma x)$ . The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.
  - NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.
- 4. Means and standard deviations These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
  - a. Dry-bulb temperature
  - b. Wet-bulb temperature
  - c. Dew-point temperature
- 5. Cumulative percentage frequency of occurrence of relative humidity This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC
40604 KWAJALEIN MARSHALL IS/BUCHOLZ
STATION NAME

**DAILY TEMPERATURES** 

\_\_\_MAXIMUM.

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

	TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	אטנ	JUL	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
≥	95			. 4	2				1	1	.1			1
≥ .	90	1.1	5.0	4 8,5	11.3	9.1	-6.2	12.7	18.1	18.5	19.5	9.2	3,3	10.3
≥	85	72.2	71.8	76.5	76.2	79.7	84.2	87.9	90.7	89.6	89.4	79.2	76.0	81.2
≥	80	100.0	100.0	99.5	100.0	99.9	99.9	100.0	100.0	99.8	99.9	100.0	99.9	99.9
2	75			100.0		100.0	100.0			100.0	100.0		100.0	100.0
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-	MEAN	85.5	85.9	86.4	86.5	86.5	86.6	87.0	87.4	87.5	87.4	86.5	85.9	86.6 2.398 10116
	S D	2.055	2.435	2.531	2.624	2.363	2.083	2.183	2.305	2.377	2.413	2.346	1.984	2.398
	TOTAL OBS	837	774	837	840	867	810	848	868	839	848	840	948	10116

USAFETAC FORM 0.21.5 (OL. 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**DAILY TEMPERATURES** 

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC
40604 KWAJALEIN MARSHALL IS/BUCHOLZ
STATION

	TEMP (°F)	JAN	FEB	MAR.	APR	MAY	JUN.	JUL.	AUG	SI,P.	OCT.	NOV.	DEC	JAUNNA
-	80	9,8	8,4	17.4	22.1	24.4	21.5	16.5	19,6	19.5	23.0	19.3	23.8	18.9
<u> </u>	75	92.2	94.2	92.0	94.2	91.2	90.4	89.3	80.1	09.9	89.1	91.5	92.3	9142
≥	70	100.0	100.0	100.0	100.0	100.0	100.0	100,0	99.5	99.9	99.5	100.0	99.9	99,9
<u> </u>	65								100.0	100.0	100.0		100.0	100 .0
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-	MEAN	77.4	17.4	77.6		- V-4	77.2	77 7	79.7	49-7			77.7	77
	S D		1 7 9 9	1 0 4 0	1 (00)		2 1 4 0	7/64	2 3/0	7 3 2 3	7/92	1(30)	7 1 4 4 4	
	اٍ ت د	237	774	837	840	866	20149	861	868	60223	Z 4 4 1 1 1	2 4 1 3 ()	6 . 1 4 4 1	2.12

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC
40504 KWAJALEIN MARSHALL IS/BUCHOLZ

### DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

\_\_\_MEAN\_\_\_

	TEMP (*F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
<u>≥</u> ≥	90										1			0
≥	85	1.7	2.3	5.3	10.5	10.3	8.5	11.5	16.2	17.4	19.7	9.6	4.1	9.9
2	80	93.5	94.7	93.4	94.3	93.5	94.1	94.7	94.5	94.3	93.4	91.8	93.5	93.8
<u>≥</u> ≥	75	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.5 100.0	100.0
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	MEAN	\$ 1.7	<b>41.9</b>	12.3	12.4	66.3	22.4	62.4	32.7	82.7	82.7	92.3	82.0 1.610	22,3
	S D	1.4415	1.465	1.563	1.772	1.2.9	1.695	1.779	1.909	1.950	2.018	1.842	1.617	1,700
	TOTAL OBS	ครี7	774	637	840	866	910	839	868	839	868	140	ลลล์ โ	10115

USAFETAC JUL 64 0 21 5 (OL 1) MEYIOUS EDITIONS OF THIS FORM ARE ORSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### **EXTREME VALUES**

MAXIMUM TEMPERATURE (FROM DAILY OBSERVATIONS)

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KWAJALEIN MARSHALL IS/BUCHTLE 44-71
STATION NAME

71\_\_\_\_

YEARS

#### WHOLE DEGREES FAHRENHEIT

, MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
44			95	95	_	89	91	93	93	94	92	90	
45	n 👣	90 90	91	96	91	89	υð	89 92	89	90	92 93		96
44	87	90	91	91	93		92	92	93	92		91	
47	90	91		92	91	91	92	94	93	9.1	91	90	
49	90	89	90	89	90	90	91	91	90		91	89	9
49	6.9	8.6	89	99	89	90	99	89	90		88	88	90
50	88	87	89	90	90	90	92	91	91	90	91	92	9
51	90	90	88	89	90	90	90	91		92	92	90	
52	0.9	90	91	12	93	91	91	92	92	92	92	91	9:
- 5 <u>3</u>	91	90	91	92	93	91	94	92	92	93	92	90	9/
	09	92	91	90	90	90	72	92	92	92	90	85	9:
55	#3	8.3	85	87	90	97	92	92	91	89	48	90	9; 9; 9;
5 e	6.5	84	85	89	88	91)	92	93	92	90	90	87	9:
57	87	84	89	0.5	8.8	87	90	92	92	92	90	87	9:
<b>5</b> .9 §	89	85	88	87	87	92	91	95	93	97	90	89	۶'
59	47	84	8,5	85	88	91	93	94	92	89	96	86	96
6.1	R4	84	87	85	86	86	87	0.6	90	90	68	- 86 87	9(
61	88	88	90	89	38	87	B <b>9</b>	8.8	68	89	9	87	9(
62	87	89	86	8.6	89	88	88	19	89	89	88	89	81
63	8 6	88	90	90	91	89	91	91	90	90	6.3	88	9
64	1.7	78	88	87	6.9	89	8.9	8.8	88	88	8 13	80	9
65 _{	63	6 B	89	<b>* 9</b>	90	8.8	_ PB	90	89	89	18 B	87	91
66	17	0.8	90	88	58	9.)	119	90	92	90	90	87	9
67	8.6	87	87	90	8.8	89	90	89	89	89	89	88	91
64	97	88	87	88	87	6.9	89	91	90	91	80	89	9
63	9	19	89	8 8	88	89	89	9 [	91	91	90	88	9:
7	49	90	89	90	70	n 9	90	89	88	88	80	08	9
71	90	48	99	87	6.8	87	87	8.8	89	87	8.8	7	9
	. 1.					i	i _i						_
MEAN [	1,800	87.9 2.413	00.7	2,639	09.4	19.2	90.2	20.9 1.931	90.7	90.5	19.8	1.663	91. 2.06
S D	1.800	2.413	2.183	2,639	1.855	1.495	1.813	1.931	1,810	2,045	1.735	1.663	2,06
TOTAL OBS	8.37	762	837	840	837	810	868	868	810	868	840	868	1004

15A) ETAC 108M 0.88.5 (Oti)

DATA PROCESSING BRANCH USAF ETAC AIR NEATHER SERVICE/MAC

### **EXTREME VALUES**

HAXIMUM TEMPERATURE (FROM DAILY OBSERVATIONS)

40604 STATION

9997

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KWAJALEIN MARSHALL 13/BUCHOL3

STATION NAME

44-71

VEAR

# WHOLE DEGREES FAHRENHEIT /BASED ON LESS THAN PULL MONTHS/

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
44		93 12			90 30								MAX TEM
51									29 29				DAYS MAX TEM DAYS
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S D IOIAL OBS								. ~	,				

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **EXTREME VALUES**

MINIMUM TEMPERATURE (FROM DAILY OBSERVATIONS)

40604 KWAJALEIN MARSHALL IS/BUCHTILZ 44-71

#### WHOLE DEGREES FAHRENHEIT

YEAR	JAN	FEB.	MAR.	APR.	MAY	JUN.	ງບເ.	AUG.	SEP.	OCT.	NOV.	DEC.	All MONTHS
44			75	74		'73	73	73	72	73	72	72	<del></del>
45	73	75	73	7.3	73	7.3	71	7.3	73	7.2	7.2	74	71
46	73	73	72	73	74		74	68	67	69	74	74	
47	74	74		75		7.3	73	69	70	67	74	74	
48	75	74	75	76	74	74	74	74	74	75	72	75	72
49	75	75	74	73	75	74	75	74	74	74	73	74	73
5^	75	73	74	75	75	75	73	74	74	72	75	73	72
21	73	75	74	73	7.3	75 75	73	75		75	75	75	
52	74	70	77	73	75	75	74	75	74	72	73	74	72
5,4	75	75	74	75 75	77	7.5	72	74	74	76	76	75	72
54	75	75	76	76	74	7.5 7.5	74	74 73	74	73	75	75	72 73 73 73
55	77	77	72	7.5	75	74	74	75	76	73	75	74	72
56	76	75	75	75	73	74	75	75	74	74	73	77	73
37	76	75	75	76	76	74	7.5	76	76	75	74	75	74
50	76	76	76	76	76	73	73	74	76	75	76	76	73
59	75 75	. 73	75	75	76	72	76	72	74	7.5	74	72.	72
6.	75	76	73	74	73	74	74	74	73	72	73	75	72
61	72	74	72	74	73	73	74	73	73	73	. 73	73	72
62	74	74	72	73	72	72	73	73	.73 73	72	73	73	72
63	72	71	72	74	74	73	73	74	74	73	73	69	72 72 72 72 69
64	73	72	74	71	74	73 71	73	74	72	72	72	72	71
65	71	72	75	74	73	72	72	73	75	74	71	73	71
66 !	71	72	73	73	74	74	74	74	74	73	73	73	$-\frac{71}{71}$
07	74	74	73	75	72	73	72	74	73	71	73	72	71
61	73	72	72	75 72	- 72 71	73	73	71	73	73	75	74	71
6'7	71	73	72	74	74	73	74	74	74	74	75	76	
7"	74	75	74	74	73	74	74	73	72	72	73	75	72
71	73	74	75	73	72	72	73	71	73	73	75	73	71
,						- =							. <u>.</u>
MEAN	73.9	74.2	73.9	74.3	73.8	73,4	73.5	73,2	73.4 1.822 810	72.9	73.6	73.8	71.0
50	1.625	1.423	1.423	1.301	1,497	1.086	1.071	1.771	1.622	1.884	1,311	1.041	1.021
TOTAL OBS	837	762	837	840	806	010	868	868	ãió	868	840	868	10014

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DATA PROCESSING BRANCH USAF ETAC AIR MEATHER SERVICE/MAC

### **EXTREME VALUES**

HINIMUM TEMPERATURE (FROM DAILY OBSERVATIONS)

40604 STATION

3501

KWAJALFIN MARSHALL IS/BUCHOLZ
STATION NAME

44-71

YEARS

WHOLE DEGREES FAHRENHEIT /BASED ON LESS THAN FULL MONTHS/

MONTH! YEAR	JAN	FEB.	MAR.	APR,	MAY	JUN.	JUL.	AUG.	SEP.	OC1.	NOV.	DEC.	ALL MONTHS
44		74 12			72 30								MIN TEN
47					74 30								MIN TEM
51									76 29				MIN TEM
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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC KWAJALEIN MARSHALL IS/BUCHULZ

#### PSYCHROMETRIC SUMMARY

ALL

PAGE 1 ALL HOURS (L. S. T.) "ET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | 31 | D.B./W.B. | Dry Bulb | Wel Bulb | Dew Point (F) 98/ 97 .0 96/ 95 .0 94/ 93 .0 .0 46 92/ 91 502 • 0 .0 90/ 89 3827 3897 .0 • 1 • 0 3.4 077710861 • 2 • 0 • 0 214 2121421371 2983629937 30 86/ 85 .0 84/ 83 8.4 1000 344 2.0 3.5 82/ 81 .913.714.1 7.3 5347763823 4028 1222 •0 80/ 79 4.514.7 6.5 548815526627383 5076 •0 14681 147718470435589 2923 29426640782316 .2 4.1 2.2 78/ 77 • 1 76/ 75 .3 1.1 •0 •0 2621548153799 74/ 73 262 ٠Ü 9 280116626 388 5413 72/ 71 70/ 69 27 1510 08/ 67 66/ 65 361 93 64/ 63 62/ 61 TUYAL .010.733.333.814.9 5.2 1.3 .0 203534 202229 202445 202263 Element (X) No. Obs. Mean No. of Hours with Temperature 1311797594 16212688 80.2 7.769 202257 267 F 273 F 280 F 293 F ± 0 F Rel. Hum 1 32 F 8760.08759.77190.5 8760.08619.1 634.5 81.8 2.858 76.8 1.904 1363695264 16649922 203534 8760 De, Bulb 1194576975 15539319 8760 202263 Wet Bulb 1135826067 15149117 74.9 2.218 202229 8739.77708.9 134.9 8750 Dew Point

44-72

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DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC 40604 KWAJALEIN MARSHALL IS/BUCHILZ 45-72 PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) D.B./W.B. Dry Bulb Wet Bulb Dew Paint 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | > 31 90/ 89 .0 .0 .0 467 88/ 87 0 467 1314 1332 2081 2090 86/ 85 .0 84/ 83 .2 3.213.6 7.1 4553 4560 27 82/ 61 <u>79</u> 2.214.616.2 5.5 6581 6605 101 1528 1555 3509 190 191 7572 78/ 77 • 1 2.9 3.3 2.1 • 1 3610 16 3911 5727 943 4013 74/ 73 .0 72/ 71 70/ 69 158 1666 68/ 67 518 66/ 65 136 64/ 63 62/ 61 TOTAL 16768 16771 16771 No. Obs. Element (X) Mean No. of Hours with Temperature Rel. Hum. ≥ 67 F ≥ 73 F > 80 F ≥ 93 F 100859789 1293503 77-1 8-039 16769

16857

16771

1346336 81.1 2.43G 1263557 75.3 1.899

73.0 2.492

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744.0 744.0 561.0

734.9 459.0

744

744

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Dry Bulb

Dew Point

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DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC 40604 KWAJALEIN MARSHALL IS/BUCHULZ 4 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 > 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 94/ 93 92/ 91 1 90/ 89 131 131 . 2 . 1 88/ 87 650 650 3.0 86/ 85 1266 1266 1660 1660 3357 3557 6447 6449 84/ 83 5.6 5.0 82/ 81 80/ 79 29 115 494 . 5 1580 1581 3265 1 78/ 77 •0 3.2 2.5 632 76/ 75 181 6851 3304 11 3729 .0 74/ 73 .0 .0 3155 3776 109 1672 70/ 69 68/ 67 446 89 66/ 65 64/ 63 62/ 61 6.223.838.319.0 POTAL 15487 15495 15495 9 0.26-5 No. Obs. Element (X) Mean No. of Hours with Temperature Rel. Hur. ± 0 F ± 32 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F 77.1 8.200 15495 93093044 1194292 672.0 672.0 487.9 672.0 628.0 14.1 Dry Bulb 81.1 2.665 75.4 1.905 1256704 15498 472 102013#22 Wet Bulb 84032581 1167559 15495 472 82669180 1130176 73.0 2.431

DATA PROCESSING BRANCH PSYCHROMETRIC SUMMARY USAF ETAC AIR WEATHER SERVICE/MAC 40604 KWAJALEIN MARSHALL IS/BUCHILZ 44=46,48=72 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 31 D.B. W.B. Dry Bulb Wet Bulb Dew Foint (F) 96/ 95 .0 .0 92/ 91 254 254 .0 90/ 89 .0 .0 . 1 88/ 87 726 735 1040 1674 11 86/ 45 1.6 3.0 .7 . 1 .0 84/ 83 2074 2094 48 4257 4319 71 162 82/ 81 .4 .0 5982 6002 BO/ 79 897 210 78/ 77 1416 1422 258 258 5062 1160 7370 4927 .0 3.7 2.7 .0 2612 5935 464 3010 74/ 73 .0 22 22 .1 72/ 71 48 1027 70/ 69 68/ 67 267 66/ 65 40 64/ 63 62/ 61 16673 14826 16675 16675 ſ ₹ õ 0.26-5 Element (X) ZXi Žχ No. Obs. Mean No. of Hours with Temperature USAFETAC ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hom. 74.2 8.427 16675 ≤ 0 F ± 32 F 103165372 1304059 Dry Bulb 744.0 743.9 384.4 744 111706545 1370157 81.4 2.813 16826 76.0 1.845 Wet Bulb 16675 744.0 721.1 22.1 744 1266570 96260616 Dew Point

DATA PROCESSING BRANCH PSYCHROMETRIC SUMMARY USAF ETAC AIR WEATHER SERVICE/MAC KWAJALEIN MARSHALL IS/BUCHOLZ PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | » 31 | D.B./W.B. Dry Bulb Wei Bulb Dew Point (F) 96/ 95 94/ 93 92/ 91 .0 28 25 90/ 89 272 124 \$8/ 87 1.6 2.4 .0 827 172 86/ A5 494 1.7 7.0 2.2 84/ 83 2104 2134 .0 5085 10/ 79 4.617.3 5.9 5076 5210 1517 268 78/ 77 3.8 2.0 1023 1035 6713 1961 197 6469 76/ 75 196 6522 74/ 73 5510 72/ 71 1498 70/ 69 68/ 67 35 66/ 65 10 UTAL .6 9.982.886.213.0 5.5 1.8 16122 16662 16124 10125 4 ತ 0.26-5 ZXI No. Obs. Element (X) Meun No. of Hours with Temperature 16124 ± 0 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F 104092575 80.0 7.757 1289475 81.7 2.776 76.6 1.607 111308787 720.0 720.0 594.4 Dry Bulb 1361061 16662 720 Wet Bulb 1235570 720 94716558 16125 29.4 720 1204020 89975806

€. DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC 40604 KWAJALEIN MARSHALL IS/BUCHOLZ HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 > 31 92/ 91 **9**0/ 89 .0 21 255 271 ۰٥ 913 1786 88/ 87 .0 3.5 933 •0 46/\_A3 .1 2.510.3 .019.314.1 2619 3964 84/ 83 2596 .0 107 2703 82/ 81 80/ 79 .0 6.015.5 2.9 4119 4236 2737 458 78/ 77 978 994 4874 3986 76/ 75 74/ 73 240 4442 8073 19 337 3686 .3 1.0 229 72/ 71 10 409 70/ 69 68/ 67 .7h2.6b9.3b3.0h0.3 3.3 16819 16819 0.26-5 Element (X) ZX3 ZX No. Obs. Mean No. of Hours with Temperature Rel. Hum. ≥ 73 F ≤ 0 F ≤ 32 F 113203922 1374666 81.7 7.103 16819 Total 81.9 2.735 77.3 1.571 Dry Bulb 744.0 744.0 114874673 1401143 17109 Wet Bulb 744.0 743.5 59.0 100621703 1300639 16819 744

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

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Wet Bulb Dew Point			1390		2300		77.6			161						719.5				_
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USAF ETAC AIR WEATHER SERVICE/HAC KWAJALEIN HARSHALL IS/BUCHPLZ Temp. (F) ٥ 94/ 93 92/ 41 90/ 89 88/ 87 86/ 85 84/ 83

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DATA PROCESSING BRANCH

### **PSYCHROMETRIC SUMMARY**

PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Buib Wet Buib Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 .1 . 2 .0 460 460 . 1 187 1107 310.1 2011 2012 2543 2543 14 3993 5596 1.217.912.5 82/ 81 80/ 79 542 .0 .0 133 Ò 4166 4179 1364 604 78/ 77 4.8 2.2 1276 1293 8586 4317 • 1 4602 8469 309 3551 268 74/ 75 272 8469. 74/ 73 20 .1 . 0 20 72/\_ 71 70/ 69 68/ 67 66/ 65 642.789.880.542.4 UTAL 17598 17557 17560 17560 Žχż Zx No. Obs. Element (X) Mean No. of Hours with Temperature Rel. Hum. 1804869 1434560 81.7 6.965 17560 ± 0 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F 744.0 744.0 419.3 744.0 743.3 80.3 744.0 733.7 15.0 82.0 2.986 Dry Bulb 118576919 1443591 17598 744 77.5 1.665 Wet Bulb 105404390 1360164 17560 744 Dew Point 100752027 1329685 17557 744

0.26-5

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

(F) 0 1.2 3.4 5.6 7.8 9.10   11.12   13.14   15.16   17.18   19.20   21.22   23.24   25.26   27.28   29.30   23   15.5	Temp.				····		WET	BULB 1	EMPER	ATURE	DEPRE	SSION (	(F)						TOTAL		TOTAL	
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USAFETAC FORM 0-26-5 (OL.A)

KWAJALEIN MARSHALL IS/BUCHOLZ

DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY 5 AIR WEATHER SERVICE/HAC SEP KWAJALEIN HARSHALL IS/DUCHULZ 44-72 YEARS MONTH PAGE 1 11.1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 D.B./W.B. Dry Bulb Wet Bulb Dew Point 96/ 95 94/ 93 130 130 92/ .1 •0 90/ 89 1.8 .0 539 539 .0 3.7 88/ 87 2.3 1184 1186 • 1 2106 2109 2721 2722 2.910.4 86/ 85 4.6 à.7 14 85 .0 84/ 83 5.6 23 • 0 • 0 5250 5252 18 /58 .915.813.5 .6 100 • 0 4.214.0 3454 3462 79 3272 373 807 2.1 .0 3716 78/ 77 1263 1267 8112 767 316 4592 8365 75 1.4 316 • 4 394 3848 74/ 73 31 31 72/ 71 26 350 70/ 69 08/ 67 66/ 65 64/ 63 .711.535.831.514.3 4.9 1.2 TOTAL 17009 7030 17011 7010 ತ Element (X) ZX2 No. Obs. Mean No. of Hours with Temperature 30.7 7.554 82.3 3.164 267 F 273 F 280 F 293 F 720 0 720 0 599 9 720 0 718 8 79 3 1373287 17010 111841729 Rel. Hum. ≤ 0 F 720 115416056 1400940 17030 Dry Bulb 1316769 101974667 77.4 1.674

17011

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Wet Bulb

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97207437

1285527

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/HAC PSYCHROMETRIC SUMMARY 40604 KWAJALFIN HARSHALL IS/BUCHTILZ OCT 44-72 PAGE 1 TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D 8-W.B. Dry Bulb Wer Bulb Dew Point (F) 98/ 97 90/ 95 94/ 93 .0 .0 92/ 91 90/ 89 588 588 88/ 87 1300 1200 2112 3061 10 56/ 85 .0 .0 2113 84/ a3 3062 45/ 81 3765 5273 80/ 3556 3562 3279 78/ 77 76/ 75 1299 1299 4.9 2,3 8173 3686 709 109 5089 74/ 73 36 36 300 4288 72/ 71 70/ 69 61/ 67 66/ 65 64/ 63 .811.832.833.614.8 5.2 1.0 TOTAL 17582 17567 7566 0.26-5 No. Obs. Element (X) Mean No. of Hours with Temperature 80.6 7.575 17566 5 0 F ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F 1415724 115107220 744.0 743.9 621.1 744.0 742.6 79.0 743.7 707.9 14.3 Dry Bulb 1446626 52.3 3.153 77.4 1.708 19201450 17582 744 1359231 17567 105220521 744 Dew Point 100271190 1326744 75.5 1.721 1756%

DATA PROCESSING BRANCH PSYCHROMETRIC SUMMARY USAF ETAC AIR WEATHER SERVICE/HAC 40604 KWAJALFIN MARSHALL IS/HUCHTLZ ŧ. PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 94/ 93 90/ 89 .2 .0 301 301 88/ A7 841 841 .3 4.6 10 3.7 1.0 1810 1410 37 .0 1.217.015.3 82/ **41** 80/ 79 7932 3932 BUE .0 2741 3720 3722 8429 78/ 77 1141 1181 275 275 3700 761 74/ 73 460 4002 37 364 22 22 70/ 69 68/ 67 78 16 MITAL .712.996.392.913.3 3.6 17039 17035 17037 17037 ğ 0-26-5 No. Obs. Mean No. of Hours with Temperature Element (X) ## ## USAFE1AC Ral. Hum. 113590562 1385674 81.3 7.225 17037 ≤ 0 F ≥ 67 F > 73 F > 80 F > 93 F 720.6 717.7 603.1 720.0 717.5 58.4 720.0 692.2 12.7 Dry Bulb 1395770 81.9 2.770 17039 720 114483306 720 720 Wet Bulb 101716570 1316108 77.2 1.665 17037 58.4 17035 1285940

DATA PROCESSING BRANCH PSYCHROMETRIC SUMMARY USAF ETAC AIR HEATHER SERVICE/MAC 40604 KWAJALEIN HARSHALL IS/HUCHILZ DEC PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) D.B./W.B. Dry Bulb Wet Bulb Dew Point 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 92/ 91 90/ 39 Ť. 88/ 87 1.2 .0 564 257 1672 1480 .0 2.0 8.1 •9 5 18 84/ 83 5.1 .0 2885 2895 60 .1 Ţ 6635 6647 1763 0.3 4.3 2.2 80/ 79 7.0 1.5 4485 4531 . 3 .0 1092 1094 78/ 77 76/ 75 74/ 73 231 6619 .3 1.0 231 6326 249 1950 72/ 71 70/ 69 601 ſ 68/ 67 146 58 66/ 65 64/ 63 62/ 61 17603 17525 TOTAL .610.329.636.317.0 5.2 17712 17527 (OLA) t 0.26-5 Element (X) Mean Ko. of Hours with Temperature USAFETAC ± 0 F Rel. Hum ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F 17525 ≤ 32 F 112537457 1397883 79.8 7.709 81.6 2.451 74.5 1.836 74.6 2.291 744.0 744.0 628.2 Dry Bulb 117:17510 744 1436412 17603 Wet Bulb 102751069 1341397 17527 744.0 731.1 744 35.7 744 741.2 627.4 97550085 1306867

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC KWAJALFIN MARSHALL IS/RUCHTLZ STATION NAME 45-72 10000-0200 HOURS (L. S. T.) ŧ. PAGE 1 Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point î. 88/ 87 .0 82/ 81 4.610.2 3.1 386 3.023.729.5 8.7 1383 1393 300 307 Ĺ 80/ 79 .0 299 941 642 169 78/ 77 76/ 75 74/ 73 .0 452 746 18 .0 15 72/ 71 500 70/ 69 68/ 67 66/ 65 64/ 63 TOTAL 7.833.743.412.8 2.0 2093 2045 2095 õ 0.26-5 Element (X) No. Obs. Mean No. of Hours with Temperature 50.1 6.533 79.6 1.118 74.8 1.709 72.8 2.403 Rel. Hum. 13520114 167742 2075 ± 0 F ≤ 32 F 267 F 273 F 280 F 293 F 93.0 83.9 55.6 Dry Bulb 2167 167671 93.0 54.4 13345567 11712772 156604 152312 2095 2093 Wet Bulb 93.0 •0

DATA PROCESSING BRANCH PSYCHROMETRIC SUMMARY USAF ETAC AIR HEATHER SERVICE/MAC 40604 KWAJALEIN MARSHALL IS/BUCHTLZ 45-72 JAN C 0300-0500 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 7 - 18 | 15 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B.√W.B. Dry Bulb | Wet Bulb | Dew Point (F) 88/ 87 32/ 11 2.324.327.8 9.7 1.0 4.8 8.5 5.9 1.5 .3 1366 1370 442 450 80/ 79 78/ 77 .0 76/ 75 388 743 .0 1.4 72/ 71 334 70/ 69 C 68/ 67 66/ 65 10 2096 64/ 63 C 2108 2096 2096 €. 1 0-26-5 No. Obs. Element (X) Mean No. of Hours with Temperature 2096 \*67 F | \*73 F | \*80 F | \*93 F 13577383 168123 80.2 6.627 93.0 93.0 167141 136193 79.3 1.189 74.5 1.709 210B 2096 9<u>3</u> 93 Dry Bulb 13255407 44.3 11645553 152059 72.5 2.402 Dew Point 2096 93

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/HAC KWAJALFIN MARSHALL IS/BUCHTLZ 45-72 JAN PAGE 1 0600=0800 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Buib Wet Buib Dew Point 86/ 85 .0 84/ 83 .1 3.610.4 5.6 2.521.024.8 9.4 435 1242 82/ \$1 431 .1 80/ 79 1237 4.1 6.3 4.6 1.4 232 932 78/ 77 348 351 54 175 76/ 75 44 74/ 73 680 733 502 70/ 69 35 219 95 68/ 67 66/ 65 28 64/ 7.931.940.217.1 2.5 TOTAL 2108 2096 2096 2096 ತ 0-26-5 Element (X) Zχ² ZX No. Obs. Mean No. of Hours with Temperature USAFETAC 166539 ± 0 F ± 32 F 79.5 7.010 2096 267 F 273 F 280 F 293 F 13335419 79.6 1.378 74.6 1.751 72.6 2.483 Dry Bulb **93** 167818 210 93.0 93.0 13364002 Wet Bulb 156394 93.6 11675436 2096 82.5 Dew Point 11045539 152067 93

DATA PROCESSING BRANCH PSYCHROMETRIC SUMMARY USAF ETAC AIR WEATHER SERVICE/MAC KWAJALEIN MARSHALL IS/BUCHOLZ 45-72 JAPL MONTH **(**-0900-1100 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 1. 90/ 89 88/ 87 294 543 .0 .3 1.7 4.2 .8 6.911.5 297 549 5.8 2.2 66/ 85 • 1 84/ 83 \$2/ 81 80/ 79 850 852 6.3 4.4 1.1 107 563 976 210 2.1 78/ 77 .9 64 64 75 76/ 74/ 73 72/ 71 130 176 70/ 69 68/ 67 66/ 65 17 10 2097 TOTAL .2 4.714.931.929.515.1 3.2 2108 2097 2097 ₹ 0-26-5 (OL 8 3 8 3 Element (X) ZX No. Obs. ≥73 F ≥80 F ≥93 F 156673 74.7 3.216 2097 ± 0 F ± 32 F 11847665 82.3 2.143 75.8 1.858 Dry Bulb 93.0 14277506 173426 2108 93.0 86.5 Wet Bulb 93.0 159034 12068184 2077 89.7 93 Dew Point 2097

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC 40604 KMAJALEIN MARSHALL IS/BUCHILZ 1200-1400 HOURS (L. S. T.) • PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 90/ 89 25 282 212 2.2 9.911.7 3.6 8.6 4.8 8.8 1.0 فد 86/ 85 .0 596 606 666 667 13 59 82/ 81 80/ 79 \$.2 2.0 9.4 4.6 62 401 401 73 73 207 78/ 77 76/ 75 212 493 1.3 749 35 35 • 1 136 641 74/ 73 .0 .1 173 72/ 71 22 136 70/ 69 68/ 67 66/ 65 13 64/ 63 62/ 61 TOTAL 8.322.233.122.8 2095 2096 2076 0.26. Mean No. of Hours with Temperature Element (X) USAFETAC Rel. Hum. 10929017 150263 71.7 8.505 2093 10F ≤ 32 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F 84.0 2.342 74.6 1.950 93.0 Dry Bulb 93.0 14885424 177026 2107 19,4 Wet Bulb 93.0 7.2 12309037 160571 2096 91.5 93 Dew Point 154400 73.7 2.710 92.3 11394544 2095 63.2 العد

DATA PROCESSING BRANCH PSYCHROMETRIC SUMMARY **5**€ USAF ETAC AIR WEATHER SERVICE/MAC 40604 KWAJALEIN MARSHALL IS/BUCHTILZ PAGE 1 1500-1700 HOURS (L. S. Y.) ŧ. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Buth Wet Buth Dew Point (F) 1 .0 .3 90/ 89 .0 اقد 144 144 406 710 2.0 4.4 8.3 411 712 2.0 1. 86/ 85 • 84/ 83 624 .2 5.813.5 9.0 1.2 6 3.7 1.0 .4 .0 624 82/ 82/ 61 80/ 79 141 134 140 € 187 43 78/ 77 76/ 75 42 692 .0 1.4 957 14 73 71 222 451 74/ £ . 1 505 144 70/ 69 11 €. 10 66/ 65 TOTAL 2098 2097 2097 í ğ 0.26-5 ZX No. Obs. Mean No. of Hours with Temperature Element (X) Zyz X ≥80 F > 93 F Total ≤ 0 F ± 33 F ≥ 67 F ≥ 73 F Rel. Hum. 153402 73.2 4.337 2096 11384494 H3.2 2.286 76.3 1.754 93.0 93.0 93 Dry Bulb 14585545 175197 2106 93.0 91.2 92.4 61.5 2097 3.9 93 Wer Bulb 139923 12202615 Dew Point 2098 11356266

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC 40604 KWAJALFIN MARSHALL IS/BUCHTLZ
STATION NAME 45=72 JAN\_ 1800-2000 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.B./W.B. Dry Bulb Wet Bulh Dew Point (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 L 80/ 85 17 17 84/ 83 126 126 .4 7.725.0 4.3 2.9 3.0 5.7 3.8 1.8 1033 1033 82/ 81 80/ 79 798 104 0 2.5 1.5 78/ 77 103 417 72 101 .4 ľ 76/ 75 1021 446 74/ 73 72/ 71 521 784 103 419 211 70/ 69 68/ 67 60 2097 66/ 65 DTAL 2106 2097 2097 Į0 0.26-5 ZX No. Obs. Element (X) Mean No. of Hours with Temperature Rel. Hum. 267 F 273 F 280 F 293 F 12860341 163581 78.0 6.902 2097 ≤ 0 F ≤ 32 F Dry Bulb 75.2 1.582 73.0 2.247 93.0 93.0 77.9 13695764 169806 2106 93 Wet Bulb 11865306 157704 2097 93.0 58.1 13 Dew Point 11195427 153149 2097

DATA PROCESSING BRANCH PSYCHROMETRIC SUMMARY USAF ETAC AIR WEATHER SERVICE/MAC 40404 KHAJALFIN HARSHALL IS/RUCHILZ 49-72 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 84/ 83 92/ 81 80/ 79 78/ 77 2.922.626.1 8.4 1.4 1291 1294 202 196 473 .6 76/ 75 776 19 74/ 73 130 72/ 71 503 68/ 67 66/ 65 64/ 63 62/ 61 .4 7.082.943.114.6 2.0 DTAL 2107 2096 2097 2097 ĝ No. Obs. Element (X) Mean No. of Hours with Temperature Rel. Hum. 2097 ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F 13405356 167100 79.7 6.351 ± 0 F ≤ 32 F 93.0 93.0 79.9 1.117 74.9 1.638 2107 Dry Bulb 13436033 168251 Wet Bulb 11779808 157132 2097 72.9 2.320 132406 2096

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SEPVICE/MAC PSYCHROMETRIC SUMMARY 40604 KWAJALEIN MARSHALL IS/BUCHULZ
STATION NAME 44-72 C 0000=0200 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) Temp. (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 12 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 > 31 C D.B. W.B. Dry Bulb Wet Bulb Dew Point .2 3.4 6.8 1.3 82/ 81 229 229 10/ 79 1344 1344 78/ 77 76/ 75 ( 5.5 3.8 5.1 . 214 . 1 337 337 30 194 21 74/ 73 633 419 • 1 C 72/ 71 160 512 70/ 69 68/ 67 17 224 C 66/ 65 64/ 63 62/ 61 OTAL 9.033.946.2 9.8 1942 1941 1942 1942 ť. () ĝ 0-26-5 Element (X) ZX, No. Obs. Mean No. of Hours with Temperature Rel. Hum. 12641985 156221 1942 ≤ 0 F ≤ 32 F ≥ 67 F > 73 F > 80 F > 93 F 80.4 6.218 79.4 1.090 74.7 1.592 Dry Bulb 154167 84.0 84 12240323 1942 14.0 44.0 Wet Bulb 10838409 145047 1942 76.2 10276450 141166 72.7 2.231 1941

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/HAC PSYCHROMETRIC SUMMARY 40604 KWAJALEIN MARSHALL IS/BUCHILZ 0300-0500 HOURS (L. S. T.) PAGE 1 TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. (F) D.B./W.B. Dry Bulb Wet Bulb Dew Point 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 31 84/ 83 104 82/ 81 104 2.026.632.7 6.8 1.2 5.3 8.6 7.7 1.0 .2 80/ 79 1339 1339 77 75 145 903 442 442 336 725 76/ .1 1.3 .4 .5 45 45 73 647 ſ. 500 234 72/ 71 199 70/ 69 (" 68/ 67 73 66/ 65 64/ 63 1931 1932 TOTAL .2 6.736.645.0 8.1 1.3 1932 1932 C (\_ C ĝ t Element (X) No. Obs. Mean Ho, of Hours with Temperature 155811 1932 ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum. 12641683 80.6 6.270 ≤ 0 F ≤ 32 F 152848 77.) 1.103 143887 74.5 1.618 140039 72.5 2.260 1932 1932 84.0 Dry Bulb 12094746 84.0 73.8 Wet Bulb 10721135 84 84.0 Dew Point 84

DATA PROCESSING BRANCH USAF ETAC AIR NEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

40604 KWAJALEIN MARSHALL IS/BUCHOLZ 44=72 YEARS MONTH

PAGE 1 0600-0800

Temp.						WET	BULB '	TEMPE	RATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3.4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 - 30	× 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
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44/ 47			i			İ	2		1				l	1 1				4		Ì	1
86/ 85					.1	. 2	.2	•1								$\neg \neg$		8	A		
84/ 83			. 2	.5		.2 3	1	••		ţ	ł				1			30	30		
82/ 81		.2	2.3	7.7	3.1	.7	•1			<u> </u>								273	273		1
80/ 79		2.5	21.9	29.8	3.1	1.0			ĺ	ĺ	1	į :		ii	i i	1		1222	1223	11	İ
78/ 77	- 1				1,2													367	364		
76/ 75	2	1.2	1.2	ai	, ,,,,,				ļ	l	1							34	_34	152	
74/ 73			.1		.1													2	2		
72/ 71						<u> </u>						<u> </u>		l I		İ				19	53
70/ 69										i										27	
68/ 67						L			L	L		L	L	<u>                                     </u>							
66/ 65																					2
64/63																					1
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Element (X)	لــــــا	Z X'			Zx	<u> </u>	¥		╌	No. Ob	s. T	لـــــا			Mean No	ef Ho	urs with	h Temperat	ure	<u></u>	<u> </u>
Rel. Hum.		239	6334		1545	60	79.6			19		± 0 1	F .	32 F	≥ 67 F		73 F	≥ 80 F	e 93 I		Total
Dry Bulb			746		1945		79.5			19			$\top$		84.		14.0				
Wet Bulb		079	1567		1447		74.5			19	12		_		84.	a ·	11.1	3.44	<del> </del>	1	
Dew Point			1319		1408		72.5		<del> </del>	19					82.		3.4	<del> </del>			

SAFETAC FORM G-26-5 (OLA) REVISIO MENDUS EDITIONS OF THIS FORM ARE DIS

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

40604 KHAJALEIN MARSHALL IS/BUCHTILZ

#### **PSYCHROMETRIC SUMMARY**

Mean No. of Hours with Temperature

14.0

11.3

≥73 F ≥80 F ≥93 F

78.5

84

≥ 67 F

84.0

84.0

83.3

FEB

PAGE 1 0900-1100 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. Dry Builb | Wet Builb | Dew Point 92/ 91 90/ 89 48/ 87 75 75 .3 . 1 86/ 85 308 204 1.4 6.910.8 4.0 84/ 83 461 461 698 691 80/ 79 78/ 77 1.2 6.5 6.4 2.1 310 110 316 557 45 76/ 75 74/ 73 .6 .3 19 857 455 317 624 72/ 71 439 195 70/ 69 68/ 67 66/ 65 64/ 63 62/ 61 TOTAL .5 3.515.193.529.213.2 4.2 . 2 1933 1933 1933 1933

No. Obs.

1933

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1933

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FETAC FORM 0.26-5 (OLA) REVIS

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

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10880044

13144255

11153896

10403071

ZX

144144

139333

146790

141721

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74.6 8.241

62.4 2.362

75.9 1.878

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

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•																		PAG	E 1	1200	
Temp.						WET	BULB	TEMPER	RATURE	DEPRI	ESSION	(F)						TOTAL		TOTAL	
(F)	0	1.2	3 · 4	5 - 6	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
94/ 93										.1								1	1		
92/ 91		ļ					2	1	.1					<u></u>				- 5	6		l
90/ 89			.1	.2	.2	.7	1.8	1.1	.3			i						#6	16		
88/ 87		-1	5	2.0	2.9	6.2	5.6	1.8	-1		<u> </u>							171	371		
86/ 85		.1	.3	2.6	9.5	9.6	2.7	. 2		•	]	1		ļ	] ]		}	507	507	3	
84/ 83		-1	- 6	7.5	9.5		5	3										435	_415	21	
82/ 81		.3	4.0	10.8	5,5	.5	• 1			l		1						410	414	52	1
80/ 79		1.2	2.2	- 5	2					<del> </del>	<del> </del>						<b> </b>	82	12	192	
78/ 77	• 1	1.3	•2			1					]			1				32	32	796	
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74/ 73				1		1			1		1			1						178	51
72/ 71		<del>                                     </del>	<del>                                     </del>	<del> </del>	<del> </del>	<del> </del>			-	<del> </del>	<del> </del>							<del>  </del>			31
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66/ 65		<del>                                     </del>	<del> </del>	<del>                                     </del>	<del> </del>				<del> </del>	<del> </del>	<del> </del>	<b></b>					<del> </del>	i			
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Element (X)		EX:	1	<b>-</b>	Z x	<u></u>	¥	7,	<del>'</del>	No. 01	)s.	<u>.                                    </u>		<u> </u>	Mean N	o. of H	ours wit	h Temperat	vr•	L	L
Rel. Hum.			6754	<del> </del>	1381	36	71.1				42	± 0 1	F   1	32 F	≥ 67		73 F	≥ 80 F	≥ 93 E	F	Total
Dry, Bulb		1383	9040		1631		344				32		7		84		14.0	<del></del>		-0	
Wet Bulb		1144			1490		76.7				42		$\neg$		84		83.2				
Dew Point			3585		1431		73.7				42				83		57.7	-		$\neg \vdash \neg$	

U DATA PROCESSING BRANCH 5 USAF ETAC AIR HEATHER SERVICE/HAC KWAJALEIN MARSHALL ISANUCHOLZ **(**,i Temp. (F) 92/ 91 90/ 89 .5 3.1 7.1 9.1 1.1 7.613.1 6.2 5.114.7 7.7 2.0 3.8 3.5 . 8 88/ 87 86/ 85 84/ 43 82/ 81 80/ 79 78/ 77 2.8 1.2 • 1 1.6 76/ 75 74/ 73 72/ 71 70/ 69

#### PSYCHROMETRIC SUMMARY

1900-1700 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Poin 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 17 • 1 196 194 417 417 559 359 370 570 142 40 104 104 144 476 643 700 34 À 12 222 406 32 161 68/ 67 40 66/ 65 64/ 63 193Î 1431 1931 1931 El-seent (X) No. Obs. Mean No. of Hours with Temperature Rel Hum. 10F 1 32 F ≥ 67 F ≥73 F ≥ 80 F ≥ 93 F 10276377 133443 72.4 3.436 1931 83.5 2.461 76.3 1.798 Dry Bulk 361291 1931 13433873 84.0 80.5 'sat Bulb 11240697 147419 1931 14.0 82.5 34 Je- Point 10450180

44-72

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0.26.5

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

DGD4	ON	_ K¥	AJAL	EIN_	MARS	HALL	15/	висн	ULZ		44	-72				EARS					F	ER NTH
																•			PAG	E 1	1800 HOURS (	
Temp	).		·				WET	BULB	TEMPE	RATURE	DEP	ESSION	(F)						TOTAL	1	TOTAL	
(F)		0	1 - 2	3 - 4	5 - 6	7 - 8								23 - 2	24 25 - 20	27 - 28	29 - 3	0 ≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew P
18/	87					.1		.1		T -	T				-i	1			2	2		i
10/	85			1	.1	4	.0	. 2		ſ	(	1	1		1	1			25	25	ĺ	ĺ
147	83			.2	2.6	5.0		.1			1		1						174	174		
127			.1	7.9	21.1	11.8	1.7			1	1	(	1	1	1	1	ĺ	1	833	833	1	1
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FORM 0.26-5 (OLA)

Dew Point

DATA PROCESSING BRANCH PSYCHROMETRIC SUMMARY USAF ETAC AIR WEATHER SERVICE/MAC 40604 KWAJALEIN MARSHALL IS/BUCHOLZ 2100-2300 HOURS (L. S. Y.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point 88/ 67 . 1 86/ 85 3.221.930.9 4.3 3.7 3.8 2.3 .7 434 82/ 81 80/ 79 434 1269 271 902 £05 58 203 78/ 77 76/ 75 366 726 482 603 747 73 727 71 234 50 70/ 69 68/ 67 66/ 65 64/ 63 1926 1930 DATAL .2 8.031.545.014.6 1929 1929

No. Obs.

1929

1930

1929

±0 F

79.9 6.232

79.7 1.105 74.9 1.562

154081

153907

144425

≥ 73 F | ≥ 80 F | ≥ 93 F

114

84

84.0 56.0 17.4 .0

84.0 84.0

FORM 0-26-5 (OL.A) 1871

SAFETAC FORM 2.0.

Element (X)

Dry Bulb

Wet Bulb

Dew Point

ZX,

12382271

12275603

10817861

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR HEATHER SERVICE/HAC 40604 KHAJALEIN HARSHALL IS/BUCHTILZ
STATION NAME 44-46,48-72 -0000-0200 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. TOTAL D.S./W.B. Dry Bulb Wet Bulb Dew Point 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | > 31 .1 7.013.3 1.9 5.127.524.9 3.8 62/ 81 462 473 80/ 79 1280 .1 5.8 4.1 3.7 298 87 74/ 436 296 76/ 75 42 42 1104 573 74/ 73 72/ 71 .0 450 858 178 70/ 69 147 61/ 67 66/ 65 TOTAL 2082 2082 2082 () (1 () #3 Element (X) No. Obs. Mean No. of Hours with Temperature
≥67 F > 73 F > 80 F > 93 F USAFETAC Rel. Hum. 14026771 170433 61.9 6.007 2082 ≤ 32 F Dry Bulb 13327282 79.6 1.227 2101 93.0 93.0 93 167316 60.4 156747 75.3 1.495 Wet Bulb 93.0 89.2 92.9 67.9 11805623 2682 93 Dew Point 11254554 193016 73.5 2.043 2082

5 40604 KWAJALEIN MARSHALL IS/RUCHOLZ 44-46,48-72 **£** 

DATA	PROCESS	ING	BRANCH
USAF	ETAC		
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# PSYCHROMETRIC SUMMARY

MAR

Ŧ						WET	DIII D 3	FENDER	ATILDE	DEPRE	SSION /	E\						TOTAL		TOTAL	
Temp. (F)	0	1 - 2	1.4	4.4	7.0	9.10	11.12	12 14	14 14	17 10	19 20	23 22	22 . 24	25 26	27 - 28	20 . 20	> 21	D.B./W.B.	Dev Bulb	Was Bulk	Daw P
6/ 65	Ť				7.0	7- 10	•0		13 - 10	1,7 1,0	17.20	21 . 22		23 - 20	27 - 20			1	1		
0/ 79			3.2	27.5	4.3	-	-		<del> </del>	<del> </del>								217	226 1422		
8/ 77		4.0	7.2	4.4	7.3	.3												390			
6/ 75	.3	1.5																56		1086	34
2/ 71		.0																1	1		44
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ry Bulb		322			1467		79.3			21	02				97.	0	93.0	49.0	اد	_	
et Bulb ew Point		1173			1563' 1527		75.0			20 20					93.		61.5				

O DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC 40604 KHAJALEIN MARSHALL IS/RUCHILZ 44-46,48-72 () #OURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. Dry Bulb Wet Bulb Dew Point ŧ, 90/ 89 .0 18/ 17 .2 1.3 3.7 5.4 .3 .0 0 **44/ 85** 22 22 E4/-63 88 36 .3 5,710.6 3.325.723.8 82/ 81 430 1225 (. 81 78/ 77 .1 5.0 4.9 2.1 387 •0 268 241 1065 36 74/ 73 797 .0 500 436 70/ 69 156 68/ 67 66/ 65 64/ 63 62/ 61 DTAL 9.887.098.411.4 2086 2101 2086 2046 ತ 0.26-5 Element (X) No. Obs. Mean No. of Hours with Temperature 13658753 2 i \* 1 32 F ≥ 67 P ≥ 73 F + 93 F 80.4 7.074 2086 2 80 F 148159 79.9 1.678 Dry Bulb 3453738 148250 93.0 2105 93 Wet Bulb 1810374 156924 2016 93.0 88.3 93 Dew Point 152884 2086 92.5

DATA PRICESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC KWAJALEIN MARSHALL IS/BUGHOLZ 44-46,48-72 MAR PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. M.B. Dry Bulb Wet Bulb Dew Point 92/ 91 90/ 89 50 .1 .2 1.2 2.6 1.6 1.2 3.9 7.0 4.6 1.5 88/ 87 .3 126 129 1.6 86/ 15 384 394 •0 2.0 9.911.4 3.3 8.414.2 8.1 1.2 84/ 83 .0 564 372 12 \$2/ \$1 672 671 80/ 79 1.8 5.3 1.4 61 209 182 143 199 64 64 76/ 75 74/ 73 24 781 657 617 180 72/ 71 23 368 70/ 69 68/ 67 29 66/ 65 64/ 63 OTAL 2105 2084 2084 2084 (OLA) Element (X) No. Obs. Rel. Hum. 11946584 156676 75.2 8.970 2084 \* 0 F ≤ 32 F 267 F 273 F 280 F 293 F Dry Bulb 35.1 2.602 14.6 1.816 14534#15 174827 93.0 93.0 86.4 2105 Wet Bulb 12749514 91.9 159724 2084 93.0 6.1 93 Dew Point 92.7 70.0 2016

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/HAC KWAJALEIN MARSHALL IS/BUCHTILZ 44-46,48-72 1200-1400 HOURS (L. S. T.) €. PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 30 31 €. 96/ 95 92/ 91 .1 .0 ( 1.7 3.4 .1 140 140 90/ 89 1.0 اوء 88/ 87 342 344 9.7 1.2 4.512.2 86/ 85 1.6 •0 621 634 84/ 83 505 305 33 272 B2/ 81 4.6 0.3 1.7 272 68 • 2 80/ 79 75 •0 78/ 77 76/ 75 1.6 38 38 978 548 251 719 74/ 73 72/ 71 87 513 .1 . 1 <u> 213</u> 70/ 69 70 68/ 67 66/ 65 64/ 63 TUTAL .3 4.0 9.924.125.822.4 9.0 2101 2082 2082 2082 ğ Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. 72.2 9.495 ± 0 F ≤ 32 F ≥67 F ≥ 73 F ≥ 80 F 11034362 130416 2082 Total 84.8 2.872 77.4 1.875 Dry Bulb 15109242 178068 93.0 93.0 93 2101 89.0

2082

2012

93.0 92.7

9.3

43

USAFETAC

Wet Bulb

Dew Point

12471910

161094

155195

DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

40604 KHAJALFIN MARSHALL IS/BUCHOLZ

### **PSYCHROMETRIC SUMMARY**

Mean-No. of Hours with Temperature

93.0

92.2

≥ 80 F

87.6

5.2

93

93

≥ 73 F

≥ 67 F

93.0

93.0

MAR

1500-1700 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 17 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | > 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 92/ 91 .0 90/ 19 9.0 86/ 87 2.7 201 203 1.0 374 86 / 85 383 1.7 2.3 3.3 10 3.5 653 658 3 84/ 83 .0 .0 82/ 81 80/ 79 78/ 77 388 382 53 121 121 .0 924 44 64 233 696 76/ 75 458 15 15 418 74/ 70 142 72/ 71 18 335 117 70/ 49 60/ 67 24 66/ 65 64/ 63 **POTÁL** 1.526.6BU.1h8.2 2101 2083 2083 2083

No. Obs.

2083

2101

2013

2083

5 0 F

3 32 F

X .

73.5 8.963

83.8 2.575

76.9 1.761

74.2 2.467

153142

176015

160093

154499

44-45-48-72

(OLA) 0.26-5 USAFETAC

Element (X)

11432112

14759891

12310711

11472073

Rel. Hum.

Dry Bulb

Wet Bulb

C

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/HAC

KWAJALEIN MARSHALL IS/BUCHTLZ

### **PSYCHROMETRIC SUMMARY**

1800-2000 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | → 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point (F) 90/ 89 48/ 87 #6/ 85 84/ #3 38 267 .7 38 262 1019 630 .311.026.510.1 3.912.811.0 2.3 1032 0E0 18 154 \$0/ 79 78/ 77 76/ 75 101 676 993 101 .0 2.6 1.0 1.1 321 52 773 378 74/ 73 72/ 71 70/ 69 2083 66/ 65 POTAL 2104 2086 2086 No. Obs. Element (X) Mean No. of Hours with Temperature

2086

2104

2086

2085

≤ 32 F

≥ 73 F

93.0

90.6

92.8 69.2

79.5

93 93

93

93.0

93.0

44-46,48-72

USAFETAC FOUND 0.26-5 (OL A) REVISED MEMOUS ESTIMAS OF THE

Rel. Hum.

Dry Bulb

Wer Bulb

Dew Point

13122972

13802746

11987188

11338238

144812

170378

158091

133690

79.0 4.974

81.0 1.674

73.8 1.539

€. 1. DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMÁRY**

40604 STATION	. 1.30	MUME	EAD.	3	ATION I	IAME	-DMT-D	U		44=	2043	4-17		Y	EARS					Mo	ΝŤ
																		PAG	E 1	2100 HOURS (	<del>.</del>
Temp.										DEPRE								TOTAL		TOTAL	
(F)	0	1 . 2	3 - 4	5 - 6	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	ō.
84/ 83		.1	11.9	21.1	4.5	.1												797	814		
80/ 79 78/ 77	- 1	3.5	22.1	20.5		. 2												1053		10 496	
76/ 75	.3	1.3	•1															37	37	1097	
72/ 71 70/ 69																				76	
68/ 67						1															
TOYAL	.5	9.0	36.9	43.8	9.1	8												2088	2107	2088	1
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Element (X)		ΣX,			z <sub>x</sub>		   	7,	<u> </u>	No. Gb	t. 1	<u> </u>	<u> </u>	<u> </u>	Meas à	10.012	00000 0010	h Tempera			
Rel. Hum.			3721		1692	88	81.1			20		= 0 !	F	≤ 32 F	2 67		73 F	> 80 F	* 93 I	, ,	Tot
Dry Bulb			3498		1683		STAT O.OS	11.2	44	21			-		93		93.0				
Wet Bulb		1188			1375		75.4			20					93		87.1				_
Dew Point			3269		1935		73.6			20					92	_	49.		•		_

DATA PROCESSING BRANCH 5 **PSYCHROMETRIC SUMMARY** USAF ETAC AIR HEATHER SERVICE/MAC 40604 KWAJALEIN HARSHALL IS/BUCHILZ
STATION NAME APR Į. 0000-0200 HOURS (L. S. T.) TOTAL TOTAL
D.B. W.B. Dry Bulb Wet Bulb Dew Point Temp. WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 90/ \$9 11/ 17 62/ 81 .414.018.7 1.0 724 .0 689 80/ 79 7.530.217.3 1130 136 78/ 77 4.9 2.8 .4 170 173 688 162 76/ 75 74/ 73 1080 778 20 20 213 824 207 .0 72/ 71 70/ 69 27 68/ 67 66/ 65 C TOTAL 2082 2015 2013 2016 (, ( € ŝ Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. 14053810 147912 83.3 5.527 ≤ 0 F 2015 ≤ 32 F ≥ 67 F ≥ 73 F Dry Bulb 13325560 166546 80.0 1.201 2082 90.0 90.0 66.4 90 Wet Bulb 76.0 1.248 89.3 11636463 153143 2016 90.0 90 Dew Paint 87.7 149854 2015 90

5 DATA PROCESSING BRANCH PSYCHROMETRIC SUMMARY USAP STAC AIR WEATHER SERVICE/HAC 40604 KHAJALEIN MARSHALL IS/BUCHTLE APR Ç PAGE I 0300-0500 HOURS (L. S. T.) Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 34 D.B./W.B. Dry Bulb Wet Bulb Dew Point **≥ 31** €. .110.311.2 7.113.721.1 82/ **8**1 80/ 79 450 459 1281 1331 .2 6.0 4.5 1.0 247 541 94 241 T. 78/ 77 1151 288 ۆە 762 76/ 75 74/ 73 72/ 71 836 .1 .0 t 70/ 69 68/ 67 35 2083 2019 DTAL .914.845.553.3 2.4 ſ 2019 2019 €. 9 0-26-5 No. Obs. Mean No. of Hours with Temperature Zχ Element (λ) USAFETAC 2019 83.5 5.518 ≥67 F = 73 F Rel. Hum. 14147346 148614 79.6 1.179 75.7 1.294 90.0 90.0 90 58.1 Dry Bulb 146070 2085 13230354 90.0 90 Wet Bulb 11575712 192956 2019 88.5 .0 •0 Dew Point 11097702 149648 2019 90.0 75.9 .90

DATA PROCESSING BRANCH () USAF ETAC AIR WEATHER SERVICE/HAC PSYCHROMETRIC SUMMARY 5 40604 KWAJALEIN HARSHAL IS/BUCHTLZ () PAGE 1 HOURS IL. S. T. Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | > 31 | D.B./W.B. Dry Bulb Wet Bulb Dew Point 1) 90/ 89 .0 (; 46/ 85 .0 •0 43 41 .6 135 \$2/ 81 \$0/ 79 .411.618.2 5.326.713.7 647 .0 ť, 986 77 75 .2 5.8 3.1 197 669 197 74/ 73 194 .0 413 70/ 69 64/ 65 2083 2019 2019 2019 ₹ ತ 0.26.5 2 Element (X) **Hean No. of Hours with Temperature** USAFETAC 82.3 ≥ 93 F Rel. Hum. ± 0 F 1 32 F 17771042 166220 2019 ≥ 67 F ≥ 73 F ≥ 80 F 80.3 1.763 76.0 1.327 74.3 1.772 90.0 Dry Bulb 13465763 167519 2085 90 Wet Bulb 11669556 193472 2019 90.0 90 Dew Point 11152699 190019 19.9 90

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC KNAJALEIN MARSHALL IS/BUCHTLE 0900-1100 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point ( 94/ 93 92/ 91 .1 90/ 89 1.3 43 88/ 87 4.6 201 . 5 5.8 9.5 3.4 4.8 8.8 403 581 86/ 85 3.6 423 84/ 83 40.912.2 2.5 82/ 81 80/ 79 534 50 376 539 162 .2 2.5 1072 465 78/ 77 70 7.0 76/ 75 487 74/ 73 72/ 71 70/ 69 18/ 67 66/ 65 TUTAL 2084 2018 2018 2018 Element (X) ZZ, ZX X No. Obs. Mean No. of Hours with Temperature Rel. Hum. 155533 77.1 8.264 2018 ± 0 F ≤ 32 F ≥ 67 F ≥73 F ≥80 F ≥93 F 12125135 83.4 2.674 77.4 1.560 Dry Bulb 90.0 90.0 14503171 173763 2084 83.4 10 Wet Bulb 12095781 126203 2018 70.0 19.9 7.3 90 Cew Point 2018 90.0 81.5 1.6 70

DATA PRUCESSING BRANCH PSYCHROMETRIC SUMMARY USAF ETAC AIR WEATHER SERVICE/MAC 40604 KWAJALEIN MARSHALL IS/RUCHILZ 44-72 PAGE 1 1200-1400 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 3 31

D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 96/ 95 94/ 93 92/ 9). 20 .0 150 90/ 49 181 417 88/ 87 1.6 431 .0 86/ 85 525 536 3.614.8 5.1 5.1 4.9 1.0 84/ 83 497 500 233 239 578 80/ 79 .1 1.9 104 104 104 78/ 77 981 50 76/ 75 74/ 73 286 ,6 30 72/ 71 70/ 69 68/ 67 66/ 65 2016 TOTAL .4 5.613.129.724.714.7 4.4 1.1 2083 2016 2016 Element (X) Rel. Hum. 74.6 8.432 10F 11382258 150432 2016 Dry Bulb 84.8 3.006 90.0 90.0 44.9 90 14999376 176641 2003 78.0 1.646 79.5 2.101 Wet Bulb 90.0 157311 2016 90.0 90 12280633 14.3 132266 2016 90

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** 5 USAF ETAC AIR WEATHER SERVICE/HAC KWAJALEIN MARSHALL IS/BUCHOLZ APR. ٤ PAGE 1 Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B./W.B. Dry Bulb 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | \* 31 Wet Bulb Dew Point 92/ 91 .0 .0 194 Ľ 68/ 87 .6 2.6 4.8 1.5 212 86/ 85 492 2.717.4 8.5 7.910.2 2.2 84/ 83 82/ 81 .3 .0 1.1 607 612 1 428 80/ 79 78/ 77 2.0 3.2 1.0 • <u>1</u> 120 131 393 30 63 093 65 76/ 75 13 443 #84 512 .1 ,5 .0 15 74/ 73 72/ 71 171 70/ 69 20 68/ 67 DTAL 2082 2013 2013 2013 õ 0.26-5 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. 11744677 152427 75.9 8.402 2013 ≤ 0 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F 1 32 F Dry Bulb 53.5 2.747 77.4 1.494 14627775 174420 2012 90.0 14.4 90.0 90 Wet Bulb 2013 12078416 135700 90.0 90.0 4.4 90 Dew Point 75.1 1.939 2013 81.3 90.0 90

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 40604 KWAJALEIN MARSHALL IS/BUCHOLZ 44-72 1800-2000 HOURS (L. S. T.) PAGE 1 Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Ţ 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 Wet Bulb Dew Point 88/ 87 .0 . 1 86/ 85 7.6 9.3 1 84/ 83 •0 291 305 82/ A1 1105 1145 3.812.7 •0 3.6 55 454 463 1 78/ 77 103 916 107 76/ 75 .0 905 19 74/ 73 72/ 71 70/ 69 68/ 67 66/ 65 DTAL .3 5.652.004.412.5 1.8 . 2 2081 .0 2012 2012 ĝ No. Obs. Element (X) 13106604 Rel. Hum. 2012 ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F 161884 80.5 6.368 10F ≤ 32 F 81.2 1.696 76.4 1.272 74.5 1.709 Dry Bulb 2001 2012 90.0 90.0 13729541 166995 79.7 11732432 90.0 Wet Bulb 133620 Dew Point 149772 \$9.9 79.7 11160350 2011

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/HAC PSYCHROMETRIC SUMMARY 40604 KWAJALEIN MARSHALL IS/BUCHULZ PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) Temp. (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point 82/ 81 80/ 79 .216.929.9 2.5 6.524.111.0 1.2 999 1052 862 874 183 78/ 77 .2 3.5 2.5 753 130 127 • 0 76/ 75 1054 74/ 73 .0 101 72/ 71 70/ 69 29 68/ 67 66/ 65 2080 2011 2012 2012 Element (X) ZX No. Obs. Mean No. of Hours with Tem verature Rel. Hum. 13762703 166033 82.5 5.527 2012 \$ 0 F ≥ 73 F Dry Bulb 80-3 1-203 76-1 1-218 90.0 73.4 13427246 167100 2040 90.0 10 Wet Bulb 11647565 153065 2012 89.5 90 147648 89.9 80.4 90

DATA PROCESSING BRANCH PSYCHROMETRIC SUMMARY USAF ETAC AIR HEATHER SERVICE/MAC 40604 KNAJALEIN MARSHALL IS/BUCHMLZ 0000=0200 HOURS (L. S. T.) PAGE 1 TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew l'oint 14 14 84/ 83 80/ 79 9.225.0 5.8 844 876 • 1 Sed lie 76/ 75 74/ 73 72/ 71 36 814 1052 .5 1.2 36 594 56 70/ 69 69/ 67 TOTAL 117.255.285.7 2105 2105 2105 Mean No. of Hours with Temperature No. Obs. Element (X) Rel. Hum. 15176458 178416 54.8 5.077 2105 267 F 273 F 280 F 293 F 172167 50.3 1.357 161305 76.6 1.155 Dry Bulb 2144 23.0 93.0 74.1 13826049 Wet Bulb 12363519 2105 93.0 92.9 93 Dew Point 138304 2105 90.3 11909522

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC 40604 KHAJALFIN MARSHALL IS/BUCHTLZ 44-72 4300-0500 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 > 31 D.8./W.B. Dry Buth Wet Buth Dew Point 84/ 83 .0 •0 82/ 81 .622.714.6 806 807 9.831.7 7.6 80/ 79 1035 1069 205 208 .1 1047 269 •4 76/ 75 1.9 48 4.8 74/ 73 89 650 72/ 71 69 70/ 69 .819.357.122.3 2141 UTAL .6 2103 2103 2103 8 ĝ 0.26-5 No. Obs. Element (X) ZX Z X Mean No. of Hours with Temperature 85.1 5.022 80.0 1.353 74.4 1.136 Rel. Hum. 15795682 179040 2103 ≥ 73 F ≥ 80 F Dry Bulb 13701359 93.0 93.0 171249 2141 48.4 93 Wet Bulb 12290496 2103 160752 93.0 93.0 93 Dew Point 75.0 1.406 11840884 157774 2103 89.7

DATA PROCESSING BRANCH USAF ETAC AIR NEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

40604 KWAJALEIN MARSHALL IS/BUCHTLZ
STATION NAME PAGE 1 0600-0800 HOURS (L. S. T.) Temp. TOTAL WET BULB TEMPERATURE DEPRESSION (F)

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/HAC

### PSYCHROMETRIC SUMMARY

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ETAC FORM 0.26-5 (OLA) REVISED MEYOUS EDITION

5 DATA PROCESSING BRANCH PSYCHROMETRIC SUMMARY USAF ETAC AIR WEATHER SERVICE/MAC 40604 KWAJALEIN MARSHALL IS/BUCHPLZ 44-72 1200-1400 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 92/ 91 90/ 89 88/ 87 86/ 85 .9 2.4 9.9 6.0 1.0 3.3 1.7 1.9 . 9 .0 426 154 573 .1 4.0 6.1 3.6 1.0 5.8 3.3 .0 84/ 83 503 17 508 60 .0 121 62 1 2.5 3.1 .2 80/ 79 139 763 125 887 127 78/ 77 37 838 59 76/ 75 17 :36 105 .0 . 5 19 74/ 73 278 72/ 71 29 70/ 69 68/ 67 2099 DTAL 6.815.786.326.710.8 2135 2099 2099 ĝ 0.26-5 NO N Element (X) No. Obs. Mean No. of Hours with Temperature ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum. 74.8 7.926 2099 5 0 F ≤ 32 F 12500193 161125 Dry Bulb 84.7 2.937 74.6 1.711 76.4 1.993 2135 93.0 93.0 88.1 15343818 18086 Wet Bulb 12983795 165047 2099 93.0 93.0 23.4 93 2099 93.0 91.4 12266133 160403

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC PSYCHROMETRIC SUMMARY 40604 KHAJALFIN MARSHALL IS/BUCHOLZ PAGE 1 1500-1700 HOURS (L. S. T.) Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.S. Dry Butb Wer Butb Dew Point 92/ 91 90/ 89 74 .3 1.2 5.5 88/ 87 240 1 3.9 247 86/ 85 580 589 4.322.1 4.7 84/ 83 .3 667 671 297 26 105 80/ 79 78/ 77 2.9 3.5 731 1030 141 143 105 48 67 433 76/ 75 .3 .7 t. 20 22 211 964 74/ 73 29â 72/ 71 41 70/ 69 68/ 67 7.216.550.123.1 2100 ( 2101 2101 ತ 0.26-5 Element (X) ZX3 ZX No. Obs. ¥ Mean No. of Hours with Temperature 77.7 7.718 83.9 2.863 76.2 1.515 Rel. Hum. 12826050 163342 2101 10 F ± 32 F × 67 F ≥ 73 F ≥ 80 F ≥ 93 F Dry Bulb 15061844 179224 93.0 16.3 2135 93.0 Wet Bulb 12854939 144311 2101 93.0 92.9 13.5 93 12161009 159763 2100 90.9

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DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC 40604 KWAJALFIN MARSHALL IS/BUCHNLZ PAGE 1 1800-2000 HOURS (L. S. T.) Ţ WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. (F) D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | > 31 19 88/ 67 . 5 . 1 16/ 85 ·1 3.115.5 84/ #3 3.6 . 2 497 498 1027 1010 12/11 .1 5.0 0.6 1.1 80/ 79 78/ 77 354 364 198 :35 110 111 1306 76/ 75 74/ 73 .3 1.3 33 36 554 1071 42 463 72/ 71 70/ 69 68/ 67 DTAL 1.938.738.7 3.1 2104 2104 Element (X) Mean No. of Hours with Temperature (SAFETAC 82.1 6.369 81.5 1.910 77.1 1.205 2104 Rel. Hum. 14252127 172647 ± 0 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Dry Bulb 93.0 93.0 14214918 174242 2137 93 Wet Bulb 12512496 162234 2104 93.0 93.0 93 1.1 Dew Point 93.0 90.0 11974457 158693 93 DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

40604 KWAJALEIN MARSHALL IS/BUCHILEZ 2100-2300 HOURS (L. S. T.) PAGE 1 Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 86/ 85 1.780.925.8 1.3 1256 1268 \$2/ \$1 80/ 79 614 655 78/ 77 76/ 75 144 1222 5.4 1.4 457 148 74/ 73 72/ 71 531 .0 70/ 69 210<u>3</u> 2103 2103 Element (X) Mean No. of Hours with Temperature Rel. Hum. 2103 ≤ 0 F ≤ 32 F ≥67 F × 73 F × 80 F 14979669 177153 84.2 Te 190 Dry Bulb 172299 161334 80.6 1.347 76.8 1.107 73.0 93.0 13895753 2137 Wet Bulb 2103 93.0 12410198 91.0 97 191475

AC FORM 0-26-5 (OL.A) REVISED PREVIOUS EDITION

DATA PROCESSING BRANCH PSYCHROMETRIC SUMMARY USAF ETAC AIR WEATHER SERVICE/MAC 40604 KWAJALEIN MARSHALL IS/RUCHULZ 44-45/47-72 0000-0200 HOURS (L. S. T.) Ľ PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Feint 86/ 85 .0 84/ 83 2.232.28.5 1.921.6 3.9 .6 4.5 1.8 .1 1077 1077 754 754 82/ 81 .0 10/ 79 482 987 77 142 1208 78/ 142 76/ 75 .8 21 662 74/ 73 489 37 • 1 72/ 71 70/ 69 68/ 67 DTAL .919.455.423.3 2014 2015 .0 2014 2014 Ĺ ľ ŝ 0.26.5 Element (X) ZX No. Obs. Mean No. of Hours with Temperature X Rel. Hum. 2014 267 F 273 F 280 F 293 F 14652787 171487 85.1 5.019 Dry Bulb 90 90.0 90.0 73.1 13027639 161959 80.4 1.309 2014 90.0 2014 Wet Bulb 154775 74.8 1.138 90.0 11874795

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

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14/ 73	.0																	1	1	73	5
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USAFETAC NOW 0.26-5 (OL. A) REPREDEN

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DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC ADEDA KHAJALEIN HARSHALL IS/BUCHDLZ 44-45,47-72 0600-0800 HOURS (L. S. T.) 1 PAGE 1 Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | > 31 | D.B./W.B. Dry Builb Wet Sulb Dew Peini €. 90/ #9 81/ 17 .5 1.1 9 5.0 1.6 .1 69 86/ 85 69 14/ 13 1.427.315.7 82/ 81 22 11 80/ 79 664 42 464 78/ 77 4.7 2.4 148 148 1184 412 34 600 76/ 34 1069 52 427 74/ 73 72/ 71 70/ 69 2016 2016 2016 2016 ತ 0-26-5 £ 13 No. Obs. Element (X) Rel. Hum. 10 F 84.3 5.731 2016 ≤ 32 F ≥ 67 F = 73 F > 80 F 14375870 169848 Dry Bulb 13146720 142840 80.8 1.871 77.0 1.314 90.0 2016 72.5 90 Wet Bulb 11944179 90 2016 90.0 70.0 Dew Point 11491601 132174 90

DATA PROCESSING BRANCH PSYCHROMETRIC SUMMARY USAF ETAC AIR WEATHER SERVICE/MAC 40604 KWAJALFIN HARSHALL IS/BUCHFILZ 44-45,47-72 4900-1100 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.B./W.B. Dry Bulb Wet Bulb Dew Point 7 - 8 9 - 10 11 - 12 3 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 21 275 90/ 89 89/ 87 275 T. 2.0 9.211.6 1.1 488 488 \$6/ 85 672 84/ 83 672 110 1.10.8 4.9 3.3 3.2 .3 97 343 343 82/ 81 ,Z 80/ 79 139 139 .2 2.2 77 56 973 78/ 56 675 75 73 76/ 162 887 74/ 16 214 .0 .0 72/ 71 70/ 69 TOTAL 2017 2017 2017 2017 ĝ Element (X) ZXI No. Obs. Mean No. of Hours with Temperature 79.2 7.078 83.7 2.626 78.4 1.718 Rel. Hum. 12757596 139776 2017 10 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F 90.0 64.0 Dry Bulb 168863 2017 90.0 14151427 Wet Bulb 12405316 138144 2017 90.0 90 40

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC ATR WEATHER SERVICE/HAC 40604 KWAJALEIN HARSHALL IS/BUCHOLZ 44-45,47-72 <u>ที่ก็ที่</u> C PAGE 1 1200-1400 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 23 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point C 92/ 91 .0 90/ 89 170 172 1.6 2.810.9 6.1 88/ 87 86/ 85 446 4.1 445 630 72 189 .5 5.212.9 2.6 1.0 5.1 1.7 .1 84/ 83 37 427 427 C B2/ 81 162 162 80/ 79 78/ 77 933 674 173 2.9 2.3 .0 109 109 • 1 76/ 75 74/ 73 117 749 .3 140 72/ 71 23 2012 7.317.083.189.011.5 ( TOTAL 2014 2011 2011 **(**\* C C ľ 0.20-5 Element (X) ZX No. Obs. Mean No. of Hours with Temperature ≤ 0 F ≤ 32 F 12077123 155069 77-1 7-717 2011 ≥ 67 F +73 F +80 F +93 F 79.0 2.895 79.0 1.786 76.8 2.015 Dry Bulb 2014 10.0 90 14552720 171100 84. 90.0 Wet Bulb 12546007 138799 70.0 2011 90.0 30.0 Dew Point 2012 90

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC 40604 KWAJALFIN HARSHALL IS/BUCHFILY 44-45,47-72 JUN 1500-1700 HOURS (L. S. T.) PAGE 1 TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1-2 3-4 5-6 7-8 £: .0 92/ 91 79 90/ 19 () 88/ 87 .7 1.7 7.3 3.9 280 281 .3 B6/ B5 608 .3 0.018.2 4.7 1.0 7.6 4.0 .2 34 121 84/ 83 549 349 11 239 259 () 12/ 2.6 3.2 114 144 80/ 79 110 809 171 77 إزو 75 73 924 263 13 19 160 76/ 79/ 72/ 71 13 70/ 69 6.920.486.627.0 7.3 1.1 2015 2019 TOTAL 2015 2015 3 ತ 0.26-5 No. Obs. Element (X) USAFETAC Mean No. of Hours with Temperature 12375063 157179 78.0 7.5% 2015 2 0 F \$ 32 F ≥ 67 F ≥ 73 F Dry Bulb 14314152 84.2 2.75% 73.5 1.674 90.0 90.0 169910 2019 14.0 90 Wet Bulb 129113 2015 90.0 90 Dew Point 133920 76.4 1.444 11764352 2015 90.0 90

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC PSYCHROMETRIC SUMMARY 40604 KHAJALEIN MARSHALL IS/BUCHILZ 44-45/47-72 1800-2000 HOURS (L. S. T.) £ PAGE 1 Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B. W.B. Dry Buil Wer Buils Dew Point 88/ 87 .3 .0 86/ 85 .1 4.416.7 3.4 4.026.3 8.9 1.3 84/ 43 .1 .1 4.3 8.2 1.5 H2/ 81 1018 80/ 79 79/ 77 284 319 42 284 1221 534 76 96 76/ 75 29 29 1.1 74/ 73 72/ 71 MTAL 2019 2016 2016 2016 0-26-5 (OL A) Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. 13786435 166269 52.5 6.046 2016 10 F ≥ 73 F ≥ 80 F Dry Bulb 81.6 1.839 77.3 1.248 13464754 144838 2019 90.0 90.0 90.6 Wet Bulb 155947 70.0 12057085 2016 90.0 90 Dew Point 152978 75.7 1.535 2016 90.0 88.3

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DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR HEATHER SERVI E/MAC 40604 KWAJALEIN MARSHALL IS/BUCHOLZ 44-45,47-72 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) D.B./W.B. Dry Bulb Wet Bulb Dew Pain 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 -31 86/ 85 .0 84/ 83 82/ 81 80/ 79 3.793.324.5 1252 1255 512 989 78/ 77 76/ 75 4.6 1.6 134 134 1204 74/ 73 72/ 71 452 70/ 69 2015 2014 2015 2013 C-26-5 Element (X) Mean No. of Hours with Temperature 84.5 5.249 50.7 1.398 77.0 1.164 Rel. Hum. 14457219 170351 2015 ≤ 0 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F Dry Bulb 162700 13153800 2018 10.0 90.0 90.0 90.0 Wet Bulb 11943350 155114 2019 90 132238 90

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/HAC 40604 KWAJALFIN MARSHALL IS/RUCHOLZ 44-72 0000-0200 HOURS (L. S. T.) PAGE 1 €. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 C.B./W.B. Dry Bulb Wet Bulb Dew Point 84/ 83 35 .4 1.1 35 82/ 81 1.229.417.4 1051 1052 80/ 79 78/ 77 76/ 75 74/ 73 1 8.127.3 2.4 830 7.3 433 1212 373 848 1187 54 986 231 228 45 .3 1.5 . 2 45 32 72/ 71 70/ 69 68/ 67 DTAL 617.161.021. 2199 2192 2172 2192 No. Obs. Element (X) Mean No. of Hours with Temperature USAFETAC Rel. Hum. 15915937 186513 85.1 4.374 2192 10F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F 14162511 176463 80.2 1.476 168048 76.7 1.130 164992 75.3 1.337 2199 93.0 93.0 93 93 Dry Belb Wet Bulb 12006068 Dew Point 12422876 2192 93.0 91.4 93

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

40604 KWAJALEIN HARSHALL IS/BUCHTLY 44-72

STATION STATION NAME

PAGE 1 0300-0300
HOURS (L. S. T.)

Temp.						WET	r BULB	TEMPER	ATUR	E DEPRE	SSION (	F)						TOTAL		TOTAL	
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84/ 83			İ	1 .5	0	ļ	i		ļ	İ	ì		ļ	[	1 1		1	13	13	ļ	ļ
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Wet Bulb			6893		1677			1.1		21			_		93		92.1			$\dashv$	43
Dew Point			1110		1647		75.1	1.2		21	08		$\dashv$		93		91.3	-		_	93 93 93
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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

KNAJALEIN MARSHALL IS/BUCHILZ 44=72 PAGE 1 #000-0800 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B. W.B. Dry Buib Wet Buib Dew Point 88/ 87 86/85 48 44 1 1.3 6.0 1.022.913.8 6.328.9 2.9 6.5 3.3 84/ 83 187 187 1.0 435 834 80/ 79 78/ 77 138 .0 27 837 142 222 224 1108 383 76/ 75 .7 1.3 48 44 868 1150 74/ 73 311 72/ 71 37 70/ 69 68/ 67 .015.356.723.8 2201 2192 2193 2193 Element (X) No. Obs. 267 F 273 F 280 F 293 F 15691809 185141 84.4 5.298 2193 10F ± 32 F Dry Bulb 89.5 1.913 76.8 1.288 # 16280988 177242 93.0 2201 69.4 Wet Bulb 12924439 2193 168331 93.0 92.9

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TAC FORM 0-26-5 (OL.A) REVINED FREVIOUS

Dew Point

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

40604	KNAJALFIN MARSHALL IS/BUCHOLZ	44-72 YEARS	JUL

PAGE 1 0900-1100

Temp.										DEPRE				~				TOTAL		TOTAL	
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90/ 89			.1	•2	.5													47	47		
88/ 87		_0	.5	2.3	7.2	3.1	••	<u> </u>	1									289	289	1	1
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84/ 83				52.4	3.3	• •	]	ł		1 1		1 1		ł			l	683		39	1
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Rel. Hum.			A 74 =			4-1			-					32 F							Total
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Wet Butb		1346			1717	Z5	74.3	LaZ.	19 -	215							93.0		<u></u>		•
Dew Point		1280	4431		1676	91	74.3	1.7	<u> </u>	21	2				93	_ ا	92.4	40	<u> </u>		9

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DATA	PROCESS	ING	BRANCH
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# PSYCHROMETRIC SUMMARY

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Dew Paint		1292			1687		74.7	11.2	7.0	21					93.				$\neg$	-

\$ 5 £ DATA PROCESSING BRANCH PSYCHROMETRIC SUMMARY USAF ETAC AIR WEATHER SERVICE/MAC KWAJALEIN MARSHALL IS/RUCHULZ 44-72 1500-1700 HOURS (L. S. T.) Ţ PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 > 31 1 92/ 91 . 2 16 132 88/ 87 111.915.2 ŧ 350 350 4.1 • 1 665 83 81 .2 3.916.9 8 6.2 3.9 23 196 356 556 1 242 242 80/ 79 3.1 3.5 155 153 889 134 934 **760** 61 66 75 73 T. 76/ .2 13 13 192 961 741 263 72/ 71 21 .0 70/ 69 ₫. .7 6.815.534.731.1 9.8 1.2 2157 2194 TOTAL 2194 ŧ. ŧ. C ŧ (OL A) Ĺ 0.26-5 Element (X) No. Obs. Meen No. of Hours with Temperature - 80 F ≥ 93 F Rel. Hum. 10F ≥ 67 F ≥ 73 F 77.0 7.491 2194 ≤ 32 F Total 13141745 149013 145554 14.5 2.946 78.5 1.581 2197 2194 93.0 Dry Bulb 15690542 93.0 Wet Bulb 13520278 172194 93.0 22.4 Dew Point 2194 12778002 187394

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC PSYCHROMETRIC SUMMARY 40604 KHAJALEIN HARSHALL IS/BUCHILZ 44=72 1800-2000 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 90/ 89 .0 86/ 85 84/ 83 2.1 3.1 8.3 4.2 122 567 122 567 ( .3 82/ 81 80/ 79 78/ 77 76/ 75 74/ 73 1.821.5 8.3 927 927 283 1337 531 365 165 4.6 1.6 140 141 32 72/ 71 70/ 69 TOTAL 2.036.540.5 8.9 2200 2197 2197 9 5 X 2 X No. Obs. Element (X) Mean No. of Hours with Temperature USAFETAC Rel. Hym. 14762120 179374 41.7 4.202 2197 ± 0 F ≤ 32 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F Dry Bulb 81.8 2.166 77.2 1.277 75.5 1.462 12.0 14718282 179882 2200 93.0 Wet Bulb 2197 93.0 93.0 91.3 13111498 169700 12542722 145970

DATA PROCESSING BRANCH PSYCHROMETRIC SUMMARY USAF ETAC AIR WEATHER SERVICE/MAC 40604 KWAJALFIN MARSHALL IS/BUCHTILZ 44-72 YEARS 2100-2300 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point (F) 88/ 87 . 0 86/ 85 84/ 83 1.0 2.8 1.730.923.7 7.719.2 2.2 5.1 2.5 .0 .2 . 1 1247 82/ 11 117 1299 472 730 1128 80/ 79 78/ 77 640 . 1 440 169 .3 1.6 .1 76/ 75 45 46 74/ 73 50 346 72/ 71 34 70/ 69 2197 2201 TATOL .516.253.628.7 .Z 2197 2191 0-26-5 No. Obs. Element (X) ΣX, Mean No. of Hours with Temperature Rel. Hum. 15647542 185208 84.3 4.979 2177 10 F ≤ 32 F ≥67 F ≥ 73 F > 80 F ≥ 93 F 80.6 1.591 76.8 1.137 Dry Bulb 93.0 93.0 177426 2201 73.4 14307876

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC 40604 KWAJALEIN HARSHALL IS/BUCHULZ

# PSYCHROMETRIC SUMMARY

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0000-0200 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 88/ 87 .1 86/ 85 107 84/ 83 1.7 2.8 .3 107 82/ 81 1083 80/ 79 78/ 77 8.024.0 2.0 5.9 3.2 .0 431 .0 747 750 132 ·3 1.5 206 204 76/ 75 74/ 73 43 43 818 1120 199 72/ 71 70/ 69 134 .717.250.025.2 TUTAL 3201 2196 .1 2196 2194 No. Obs. Element (X) Mean No. at Hours with Temperature 185997 15812425 Rel. Hum. 84.7 5.177 10F 267 F 273 F 280 F 393 F 2176 Total ' Dry Bulb 93.0 93.0 93.0 92.9 72.3 177030 80.4 1.589 14244368 2201 93

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/HAC PSYCHROMETRIC SUMMARY 40604 KWAJALEIN MARSHALL IS/RUCHULZ 44-72 AUG 0300-0500 HOURS (L. S. T.) 0 PAGE 1 Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 0 88/ 87 .0 .71.2 .922.616.7 7.410.2 3.3 14/ 13 82/ 81 () 886 887 903 906 292 1063 61 983 4 85 3 9.0 3.9 .0 78/ 77 290 319 U 74/ 73 (; 70/ 69 68/ 67 TOTAL .919.657.521.3 2200 2194 • 1  $\epsilon$ 2194 2194 Ċ. ತ Element (X) No. Obs. Mean No. of Hours with Temperature ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum. 16005287 187063 85.3 5.057 2194 ± 0 F ≤ 32 F 176056 80.0 1.584 167334 76.5 1.117 93.0 93.0 65.7 Dry Bulb 14094482 2200 Wet Bulb 12841502 2194 93 Dew Point 75.1 1.343 93.0 90.8 12382436 164798 2194

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/HAC 40604 KWAJALEIN MARSHALL IS/BUCHTLZ 44-72 MONTH 1600-0800 Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Bulb Wet Bulb Dew Poin 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 0 88/ 87 - 1 .0 86/ 85 4 1.8 6.7 84/ 83 1.3 .0 223 224 891 82/ 81 191 6.024.0 2.0 178 80/ 79 .0 703 706 34 78/ 77 76/ 75 74/ 73 7.0 3.2 1077 229 230 .5 2.0 • 1 56 57 846 1167 65 72/ 71 33 70/ 69 65/ 67 1025 2194 TUTAL .616.850.328.0 7.6 .1 00 2195 2195 9 0-26-5 No. Obs. Element (X) Mean No. of Hours with Temperature Rel. Hum. 1#4615 177511 84.1 5.779 15600701 2195 5 0 F ≤ 32 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F Dry Bulb 93.0 69.5 14325673 2201 93.0 92.6 Wet Bulb 12941265 148513 76.8 1.350 2195 93.0 93 79.3 12441184 165182 2194

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

40604 KWAJALEIN MARSHALL IS/BUCHILZ AUG WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | 0.8 - W.B. Dry Bulb | Wet Bulb | Dew Point 92/ 91 90/ 49 .6 2.6 7.2 .5 9.8 1.8 \$8/ 67 306 .2 .0 304 86/ 85 526 5.022.0 3.2 84/ 83 670 671 #2/ #1 #0/ 79 9.0 5.4 141 741 999 2.6 4.5 169 170 86 76/ 75 74/ 73 22 22 72/ 71 70/ 69 68/ 67 2201 2195 2195 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. 13670557 172527 78.4 7.379 2195 ≥ 67 F ≥ 73 F Dry Bulb 83.8 2.865 78.3 1.738 93.0 73 93 15487888 184924 2201 93.0 85.4 Wet Bulb 13475285 171941 2195 93.0 ileal 2194

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

40604 KWAJALEIN MARSHALL IS/BUCHOLZ 44472 PAGE 1

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USAFETAC FORM 0.26-5 (OLA)

DATA PROCESSING BRANCH PSYCHROMETRIC SUMMARY USAF ETAC AIR WEATHER SERVICE/MAC 40604 KWAJALEIN MARSHALL IS/BUCHTLZ 44-72 AUG PAGE 1 1500-1760 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 | 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 31 D.B./W.B. Dry Buth Wet Bulb Dew Point 94/ 93 92/ 91 191 90/ 89 1.4 191 171 86/ 85 648 84/ 83 466 232 172 39 139 82/ 61 80/ 79 234 151 5.8 3.2 78/ 77 76/ 75 62 755 2.2 62 919 74/ 73 72/ 71 276 .0 70/ 69 2194 2194 Element (X) No. Obs. Mean No. of Hours with Temperature USAFETAC - 80 F + 93 F ≥ 67 F → 73 F Rel. Hum. 147874 2194 ≤ 0 F ≤ 32 F 12991446 76.5 8.175 84.7 3.167 78.6 1.681 76.3 1.848 Dry Bulb 2199 136288 93.0 15003416 Wet Bulb 93.0 93 13548318 172370 2194 92.9 24.4 167449

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC **PSYCHROMETRIC SUMMARY** 40604 KWAJALEIN MARSHALL IS/BUCHTLZ 44-72 1800-2000 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F)
1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 2 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | → 31 Temp. (F) TOTAL TOTAL D.B. W.B. Dry Buth Wet Bulb Dew Point 92/ 91 .1 90/ 14 88/ 87 • 1 54 54 86/ 85 198 194 1 4.118.2 44/ 43 5.1 608 601 • 1 11 82/ 81 521 121 3.3 1.8 361 \$0/ 79 350 330 78/ 77 74/ 75 1313 111 C. • 4 .9 29 29 466 1106 74/ 73 41 72/ 71 JATOL 810.996.596.612.2 2.5 2200 1. 2197 2197 €. €. Ľ 0.26-5 No. Obs. Element (X) ZX Mean No. of Hours with Temperature USAFETAC Rel. Hum. 2197 ≤ 0 F ≥67 F ≥ 73 F → 80 F ≥ 93 F 14633824 178448 81.3 4.770 Dry Bulb 93.0 93.0 93.0 93.0 52.0 2.362 77.4 1.303 41.3 14811956 180442 2200 Wet Bulb 13149986 169948 2197 4.2 Dew Point 12559125 166039 2176 93.0 91.6

DATA PROCESSING BRANCH PSYCHROMETRIC SUMMARY USAF ETAC AIR HEATHER SERVICE/HAC 40604 KWAJALEIN MARSHALL IS/AUGHMLZ 44-72 2100-2300 HOURS (L. S. T.) G PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 31 (F) D.B./W.B. Dry Bulb Wet Bulb Dew Point () \$0/ 87 . . • 1 16/ 15 84/ 83 82/ 81 2.0 7.3 230 230 1.1 • 0 1182 80/ 79 78/ 77 .0 7.718.0 1.5 27 100 603 4.6 1.8 146 147 1314 490 1. .0 .0 76/ 75 1.0 28 28 636 1159 74/ 73 41 480 .0 72/ 71 30 70/ 69 UTAL .515.251.350.9 1.9 1022 2197 .2 .1 2198 2198 ৰ ē No. Obs. Mean No. of Hours with Temperature SAFETAC ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F Rel. Hum. 184583 2198 < 0 F 15563399 84.0 5.335 ≤ 32 F 177948 80.8 1.613 169137 77.0 1.158 93.0 Dry Bulb 93.0 77.2 93 14392592 2201 2194 Wet Bulb 13018105 93.0 92.8 43 Dew Point 165813 75.5 1.409 12518673 2197 93.0 91.6 Ö

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DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/HAC **PSYCHROMETRIC SUMMARY** 40604 KWAJALFIN HARSHALL IS/RUCHULZ 44-72 C 0000-0260 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 > 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point ť. \$6/ \$5 14/ 13 1.124.720.2 **\$2/ \$1** .1 1000 1000 #0/ 79 689 94 •0 640 .1 6.3 3.9 .6 1.7 352 78/ 77 221 223 1129 76/ 75 30 841 1104 74/ 73 57 611 72/ 71 70/ 69 64/ 63 TOTAL 2130 2127 2127 (OLA) Element (X) No. Obi. Mean No. of Hours with Temperature 178927 84,1 5,354 267 F 273 F 280 F 293 F Rel. Hum. 15112699 2127 ± 0 F ≤ 32 F 80.5 1.647 76.7 1.175 Dry Bulb 13810122 171472 2130 90.0 90.0 69.2 10 Wet Bulb 90.0 89.8 .3 10 12504356 163066 2127 12025540 139904 21,27 90.0 88.1 90

## PSYCHROMETRIC SUMMARY

40604 KWAJALEIN MARSHALL IS/RUCHTILZ 44-72 YEARS MONTH

PAGE 1 0300-0500

Temp.						WET	BULB .	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
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Wet Bulb		1107	5394		1623	10	DU A	1.0	- 19	21	5 <del>5</del>				90	9-	30.0			_ _	
Dew Point													+-				89.7		<u> </u>		- 1
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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC PSYCHROMETRIC SUMMARY 40604 KWAJALEIN MARSHALL IS/RUCHULZ t PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) D.B./W.B. Dry Bulb Wet Bulb Dew Poin 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 90/ 89 88/ 87 76 \$6/ 85 76 261 84/ 13 260 1.020,316,4 0 5.022.4 3.6 82/ 81 80/ 79 812 113 661 ·1 6.5 4.1 ·5 2.4 ·2 78/ 77 76/ 75 1007 232 233 309 67 74/ 73 72/ 71 .1 633 65 70/ 69 69/ 67 €. .815.149.229.5 4.8 2128 2125 TOTAL 2125 €. €. £ 9 Element (X) No. Obs. 177658 83.6 5.755 171654 80.7 2.138 ± 0 F ≥ 67 F ≥ 73 F > 80 F ≥ 93 F 14923218 2125 Dry Bulo 13856098 2128 90.0 90.0 90 44.4 Wet Bulb 76.7 1.362 2125 90.0 90 12495340 162724 49.8 Dew Point 159642 90

# **PSYCHROMETRIC SUMMARY**

40604 KWAJALEIN MARSHALL IS/BUCHILZ 44-72 YEARS STATION NAME MONTH

PAGE 1 0900-1100

Temp.					,			TEMPER								,		TOTAL	w	TOTAL	
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Dew Point			3510		1619		76.2			21			-+-		90		84.3				9;

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## **PSYCHROMETRIC SUMMARY**

40604 KWAJALEIN MARSHALL IS/BUCHTLZ 44-72
STATION NAME
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PAGE 1 1200-1400
HOURS (LL. S. T.)

Temp.						WET	BULB	TEMPE	RATUR	DEPRE	SSION	(F)						TOTAL		TOTAL	
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## **PSYCHROMETRIC SUMMARY**

40604 KNAJALEIN HARSHALL IS/BUCHOLZ 44-72 YEARS PAGE 1 1500-1700

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DATA PROCESSING BRANCH PSYCHROMETRIC SUMMARY USAF ETAC ATR WEATHER SERVICE/MAC KWAJALEIN MARSHALL IS/BUCHTLZ 44-72 PAGE 1 2100-2300 HOURS (L. S. T.) 1 TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.S./W.S. Dry Bulb (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 Wet Bulb Dew Point 68/ 67 86/ 85 .1 2.710.7 1.425.323.6 4.816.9 2.1 4.8 2.2 324 84/ 83 324 1095 1099 80/ 79 78/ 77 .0 38 347 507 310 143 156 156 76/ 75 74/ 73 712 1141 48 343 .2 1.0 29 50 72/ 71 70/ 69 68/ 67 512.247.296.5 3.2 INTAL 2127 2127 ন 0.26-5 (0) Element (X) ZX, No. Obs. Mean No. of Hours with Temperature X Rel. Hum. 176677 83.1 5.433 2127 ≤ 0 F ± 32 F \*67 F \*73 F \*80 F \*93 F 14738237 81.0 1.706 76.9 1.217 90.0 Dry Bulb 13974867 172491 2130 90:0 90 Wet Bulb 2127 12569819 163491 87.4 90 Dew Point 12055107 180099 90.0 87.5 90

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETATAR ER SERVICE/HAC 40604 KWAJALEIN MARSHALL IS/BUCHDLZ DCT 0000-0200 HOURS (L. S. T.) PAGE 1 TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B./W.B. Dry Bulb (F) 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 > 31 Wet Bulb Dew Point 207 86/ 85 207 1.420.623.4 1010 1013 716 717 82/ 81 80/ 79 78/ 77 76/ 75 1068 351 1057 3.6 3.6 209 209 1.4 42 42 74/ 73 63 705 .1 .2 68/ 67 2194 2193 g No. Obs. Mean No. of Hours with Temperature Element (X) ZX; 143771 83.8 5.386 2173 10 F ± 32 F ≥ 67 F ≥ 73 F → 80 F 15463389 Dry Bulb 80.6 1.711 74.6 1.207 2197 2194 14243267 176981 .3.0 Wet Bulb 93.0 12.9 93 12886519 148125 Dew Point 12378440 184768 2174 93.0 90.3

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC PSYCHROMETRIC SUMMARY KHAJALEIN HARSHALL IS/BUCHOLZ 44-72 OCT MONTH PAGE 1 #CURS IL. S. T.) WET BULB TEMFERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 | 3 - 6 | 5 - 6 | 7 - 3 | 7 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 × 31 D.B. W.B. Dry Bulb Wet Bulb Dew Poin 90/ 63 88/ 87 91 2.010.8 86/ 85 •3 353 84/ 83 151 82/ 81 80/ 79 78/ 77 .718.016.1 824 825 4.920.8 3.5 647 150 650 1049 197 197 338 6.0 207 .1 76/ 75 078 39 55 74/ 73 76/ 71 677 63 50 70/ 69 68/ 67 66/ 65 MAL 2192 114.163.733.9 3.5 2198 2194 2194 0.76-5 (OLA) ZXI Σx No. Obs. Element (X) Mean No. of Hours with Temperature 182036 2194 c 73 F 15187206 63.0 6.178 Dry Bulb 14403259 12925150 177863 148370 90.9 2.188 76.7 1.392 93.0 2198 93.0 Wet Bulb 2194 93.0 92.5 93 Dew Point 93 164711 2192 90.5

DATA PRUCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC 40604 KWAJALEIN MARSHALL IS/BUCHTILZ 44=72 CCT 0900-1100 HOURS (L. S. T.) PAGE 1 TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. D.B./W.B. Dry Bulb Wet Bulb Dew Point 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 .2 92/ 91 • 1 8 0 3.4 90/ 19 88/ 87 86/ 85 .6 1.9 8.9 1.010.314.8 342 3.2 .1 342 611 612 .2 3.117.9 4.8 84/, 83 .0 575 376 16 .0 256 258 135 40 82/ 81 152 20/ 79 78/ 77 2.0 782 4.6 152 123 43 936 462 76/ 75 276 .3 1.1 34 34 1041 74/ 73 285 24 72/ 71 68/ 67 66/ 65 7.3 7.384.789.3 9.7 2196 DTAL 2198 2176 2196 ₹ õ 0.26-5 700 N ZX, No. Obs. Element (X) Mean No. of Hours with Temperature 79.5 7.591 83.1 3.061 78.3 1.749 76.2 1.850 2196 ± 0 F Rel. Hum. 13340098 170344 ≤ 32 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F 93.0 Dry Bulb 15581293 144939 2195 93.0 84.7 93 Wet Rulb 15475821 171983 2196 93.0 92.9 20.4 93 Dew Point 12754616 2196 93.0 91.8 93 167310 3.7

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC 40604 KWAJALEIN HARSHALL IS/BUCHOLZ 44=72 PAGE 1 1200-1400 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 231 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point 96/ 95 94/ 93 92/ 91 2.3 .1 80 294 294 88/ 87 480 480 86/ 85 423 623 84/ 83 82/ 81 2.7 8.6 2.8 316 176 316 48 200 176 80/ 79 78/ 77 1.7 3.0 113 113 161 713 80 80 743 76/ 75 196 23 25 922 258 72/ 71 32 70/ 69 TUTAL .6 7.112.225.982.517.3 4.2 2197 2197 2197 2197 8 9 No. Obs. ≥67 F | ≥ 73 F | ≥80 F | ≥93 F Rel. Hum. 165617 75.4 6.359 2197 ± 0 F ≤ 32 F 12638203 16035130 13657035 187542 85.4 3.443 78.8 1.677 Dry Bulb 2197 93.0 73.0 86. Wet Bulb 173169 2197 93.0 92.9 31.4 93 2197 143011

PSYCHROMETRIC SUMMARY USAF ETAC AIR WEATHER SERVICE/HAC 40604 KWAJALEIN MARSHALL IS/HUCHOLZ 44-72 1500-1700 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 98/ 97 .0 94/ 93 92/ 91 17 90/ 89 164 119 119 .8 8.417.6 2.814.3 3.7 84/ 85 633 633 27 114 771 14/ 13 471 471 82/ 81 80/ 79 .9 5.4 4.5 3.0 4.3 .3 241 171 241 171 25 78/ 77 76/ 75 .2 3.4 1.0 992 101 101 584 256 1056 74/ 73 365 33 38 70/ 69 64/ 63 TUTAL .8 8.914.429.450.812.6 2.8 2194 2198 2198 2198 Ģ, 0.26-5 Element (X) ZX, No. Obs. Mean No. of Hours with Temperature Rel. Hum. 2198 13009404 168080 76.5 8.437 10F s 32 F ≥67 F | ≥73 F | ≥80 F | ≥93 F 84.4 3.345 78.2 1.689 Dry Bulb 185440 93.0 93.0 84.5 15669712 2198 13 93.0 Wet Bulb 13453574 171922 2193 93.0 93 Dew Point 75.9 1.798 166929 2198 93

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC 40604 KWAJALEIN MARSHALL IS/BUCHTLZ 44=72

## **PSYCHROMETRIC SUMMARY**

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC **PSYCHROMETRIC SUMMARY** 40604 KWAJALEIN HARSHALL IS/RUCHOLZ 44-72 ncT PAGE 1 2100-2300 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 86/ 85 . 1 375 175 84/ 83 ٥ 1.521.923.1 1.0 5.617.6 2.2 4.8 2.4 .0 1048 1048 558 558 82/ \$1 •0 80/ 79 78/ 77 76/ 75 74/ 73 72/ 71 1223 . j •0 167 167 376 1.0 33 33 1150 51 . 1 . 1 604 39 70/ 69 68/ 67 DTAL .913.043.988.5 3.5 2198 2198 . 2 2198 2198 a õ 0.26-5 No. Obs. Element (X) Mean No. of Hours with Temperature Rel. Hum. ≥67 F ≥ 73 F > 80 F ≥ 93 F 15242977 142627 87.1 5.600 2191 10F ≤ 32 F 81.0 1.772 76.8 1.202 2198 75.4 Dry Buib 14417288 177972 93.0 93.0 93 Wet Bulb 2198 12973896 168848 93.0 92.9 1.2 43 Dew Point 75.3 1.410 12451184 165402 2198 93.0 91.3 93

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/HAC PSYCHROMETRIC SUMMARY 40604 KHAJALFIN MARSHALL IS/BUCHILZ NOV 0000-0200 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | > 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 84/ \$3 82/ \$1 1.0 3.0 .0 98 731 1063 .6 20 378 80/ 79 .2 7.022.5 4.3 5.9 2.4 186 78/ 77 186 902 1014 75 617 76/ 75 .0 .4 1.7 46 74/ 73 72/ 71 70/ 69 83 68/ 67 .916.630.029.9 2.5 2129 DIAL 2128 2128 â Š €. Element (X) No. Obs. Mean No. of Hours with Temperature 84.2 5.665 80.4 1.566 Rel. Hum. 15139602 179086 2128 50F 267 F 273 F 280 F 293 F ≤ 32 F Total Dry Bulb 13782596 171266 2129 90.0 90.0 70.0 40 Wet Bulb 162994 12487864 74.6 1.255 2128 90.0 89.5 90 Dew Point 12014932 90.0 85.9 90 159864 2128

DATA PRUCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC KWAJALEIN MARSHALL IS/RUCHOLZ 44-72 Nan 0300-0500 HOURS (L. S. T.) PAGE 1 Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bula Wet Bulb Dew Point 9 1.7 1.319.420.9 8.028.7 4.9 6.3 3.1 .7 84/ 83 59 910 82/ 81 80/ 79 78/ 77 88 893 194 18 945 310 994 1003 87 698 76/ 75 74/ 73 .2 1.8 •1 46 72/ 71 70/ 69 83 68/ 67 417.562.328.2 2129 2129 ৰ 9 0.26-5 No. Obs. - 80 F | - 93 F ≤ 32 F ≥ 73 F Rel. Hum. 179670 84.4 5.325 10F ≥ 67 F 15222998 2129 80.2 1.501 76.4 1.256 75.0 1.566 Dry Bulb 13703597 170817 90.0 70.0 90 2130 45.4 Wet Bulb 90.0 89.4 12439015 162713 2129 90 11966671 90 159543 2128

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/HAC KWAJALFIN MARSHALL IS/BUCHILZ 44-72 ( 0600-0800 PAGE 1 Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 88/ 87 .0 .2 2.7 7.9 2.1 1.218.519.6 1.4 6.121.1 3.5 .4 5.4 3.5 .3 () 64/ 83 274 .0 865 865 80/ 79 663 153 663 41 202 202 1020 (! 309 76/ 75 74/ 73 1036 .4 1.7 46 46 836 91 72/ 71 .0 () 70/ 69 68/ 67 TOTAL 2130 2130 2130 2130 ₹ g 0-26-5 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. ≥ 73 F ≥ 80 F 177249 2130 ≥ 93 F 14827867 6.057 Dry Bulb 80.8 1.944 74.7 1.409 13911802 172048 2130 90.0 90.0 70.1 90 Wet Bulb 89.5 12532635 163357 2130 90.0 90 90

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC 40604 KWAJALEIN MARSHALL IS/BUCHOLZ 44-72 NOV PAGE 1 0900-1100 HOURS (L. S. Y.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 92/ 91 90/ 89 .0 1.5 3.6 3.1 88/ 87 .1 237 237 497 497 80/ 85 666 17 4.120.8 20 77 84/ 83 5.5 666 • 1 0.4 5.9 82/ 61 375 375 80/ 79 79/ 77 3.2 3.6 589 103 156 156 94 94 1100 585 .0 26 76/ 73 .3 26 380 971 74/ 73 33 147 72/ 71 .0 43 68/ 67 TITAL 9 8.620.437.424.8 7.2 2170 2130 2130 ĝ 0.26.5 ZX No. Obs. Element (X) X Mean No. of Hours with Temperature 2130 Rel. Hum. ± 0 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F 13250699 167209 78.5 7.446 Dry Bulb 14893503 53.6 2.898 78.0 1.776 2130 90.0 178003 90.0 81.5 90 Wet Bulb 90.0 12981866 2130 89.8 90 166244 15.4 Dew Point 76.0 1.966 2130 90.0 87.8 90

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/HAC 40604 KWAJALEIN MARSHALL IS/BUCHILE 44-72

**PSYCHROMETRIC SUMMARY** 

1200-1400 HOURS (L. S. T.) PAGE 1

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DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC 40604 KWAJALEIN MARSHALL IS/BUCHTLZ 44.72 NOV 1500-1700 Houns (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 94/ 93 .0 92/ 91 90/ 89 1.4 .3 52 52 .0 5.0 9 .8 8.214.2 4.818.5 6.7 2.5 86/ 85 955 555 651 64/ 83 651 82/ 81 80/ 79 .5 7.0 5.4 29 330 330 201 201 403 16 78/ 77 .2 3.1 . . 70 90 1984 390 312 946 74/ 73 . 1 411 72/ 71 70/ 69 <u> 2130</u> DTAL 8.021.033.826.9 3.1 2130 2130 ĝ ZX No. Obs. 2 x2 Element (X) Mean No. of Hours with Temperature USAFETAC ± 0 F ± 32 F 78.1 7.779 ≥ 67 F ≥ 73 F ≥ 80 F 2130 13105466 146256 93.6 2.854 77.9 1.609 2130 2130 Dry Butb 14892795 177999 90.0 90:0 11.7 90 Wet Bulb 12942916 146002 90.0 90.0 12.8 90 Dew Point 2130 12258231 75.3 1.830 87.4 90

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC 40604 KNAJALEIN MARSHALL IS/BUCHILL 44-72 PAGE 1 1800-2000 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 13 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | > 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 3.314.7 9.3 1.521.721.7 2.1 1.4.912.2 1.8 .2 .2.5.4 1.2 .1 88/ 87 86/ 85 84/ 83 92/ 81 506 306 .3 1001 1001 80/ 79 78/ 77 410 148 410 1217 365 071 1090 517 76/ 75 74/ 73 25 25 72/ 71 70/ 69 58/ 67 42,988.688.9 8.9 2129 2129 2129 3 ತ Element (X) No. Obs. Mean No. of Hours with Temperature 267 F 273 F 280 F 293 F Rel. Hura. 174877 2129 10F ≤ 32 F 14444113 82.1 6.118 Dry Bulb 76.4 173102 81.3 1.804 2129 90.0 90.0 14094292 90 76.9 1.268 Wet Bulb 12607789 163913 2129 90.0 19.7 90 Daw Point 90.0 86.2 12069706 150266 2129 90

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR HEATHER SERVICE/MAC 40604 KWAJALEIN HARSHALL IS/BUCHOLZ NUV 44-72 2100-2300 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B./W.B. Dry Butb Wet Butb Dew Point 1.826.924.0 3.1 1.826.924.0 3.1 1.215.6 2.6 .2 86/ 85 193 1187 350 84/ 83 82/81 1147 550 23 421 159 1194 78/ 77 159 76/ 75 74/ 73 72/ 71 1058 323 70/ 69 12 AB/ AT 2130 .515.845.933.3 4.6 2130 2130 2130 ĝ Element (X) Mean No. of Hours with Temperature Rel. Hum. 87.4 5.700 80.8 1.377 2130 2130 14898027 177723 5 0 F ≤ 32 F ≥67 F | ≥73 F | ≥80 F | ≥93 F Total 90.0 90.0 74.3 90.0 89.7 .9 Dry Bulb 13915013 172127 90 76.6 1.251 75.2 1.570 Wet Bulb 163539 2130 90 12359671 Dew Point 140224 90.0 85.6 90 12057700 2130

DATA PROCESSING BRANCH PSYCHROMETRIC SUMMARY USAF ETAC AIR WEATHER SERVICE/MAC 40604 KWAJALEIN MARSHALL IS/BUCHOLZ DEC 0000-0200 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | > 31 1.818.423.6 5.520.213.1 4.7 2.4 1.0 84/ 83 80/ 79 78/ 77 914 187 905 .4 15 741 187 34 76/ 75 .5 1.0 74/ 73 799 C 264 72/ 7i 70/ 69 30 258 70 C 10 68/ 67 56/ 65 64/ 63 TOTAL 2191 2200 2191 2191 ĝ No. Obs. Element (X) Mean No. of Hours with Temperature Rel. Hum. 2191 267 F 273 F 280 F 293 F 14957746 130510 82.4 6.269 ± 0 F 30.3 1.355 76.0 1.512 Dry Bulb 14175908 176574 2200 93.0 93.0 71.7 91.3 2191 93.0 Wet Bulb 166505 12658553 Dew Point 2191 162786

5 DATA PROCESSING BRANCH USAF ETAG PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC 40604 KWAJALFIN HARSHALL IS/BUCHULZ 44-72 0300-0500 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 31 | D.B./W.B. Ory Bulb | Wet Bulb | Dew Poin T 84/ 83 833 1045 1054 80/ 79 6.422,515,3 2.8 .0 8 78/ 77 269 210 701 76/ 75 .0 1.4 37 1142 ľ 74/ 73 367 72/ 71 284 19 70/ 49 20 68/ 67 66/ 65 64/ 63 TOTAL 2142 ľ. 2201 2192 2192 € 8 ತ Mean No. of Hours with Temperature Element (X) Zı No. Obs. Rel. Hum. 15040040 131022 82.6 6.435 2192 ≥67 F ≥ 73 F > 80 F ≥ 93 F Dry Bulb 93.0 93.0 65.0 14071310 175760 79.9 1.366 2201 93 75.7 1.553 74.0 2.083 2192 Wet Bulb 12578119 156011 93.0 90.3 .93 Dew Point 12026520 162300 2192

40604 KWAJALEIN HARSHALL IS/RUCHILZ

#### **PSYCHROMETRIC SUMMARY**

PAGE 1 0600-0800 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 > 31 D.B. W.B. Dry Bulb 86/ 85 •0 2.0 108 108 986 82/ 81 80/ 79 1.015.622.3 5.7 5.118.112.2 3.2 989 852 454 720 243 78/ 77 5.8 1.8 1.1 203 205 76/ 75 29 24 1049 748 74/ 73 750 307 290 .1 • 1 59 12 27 70/ 69 60/ 67 66/ 65 DTAL 13 2192 513.106.037.712.0 2201 2192 2192 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. 178576 81.6 2192 ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F 14694994 للفرف

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USAFETAC FORM

Dry Bulb

Wet Bulb

Dew Point

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## **PSYCHROMFTRIC SUMMARY**

40604 KWAJALFIN MARSHALL IS/BUCHTLZ
STATION NAME DEC PAGE 1 0900-1100

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# **PSYCHROMETRIC SUMMARY**

40604 KWAJALEIN MARSHALL IS/BUCHOLZ 44=72
STATION STATION NAME
PAGE 1 1200-1400
HOURS (LL 5, 1.7)

Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION (	F)							TOTAL		TOTAL	<del>_</del>
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Dew Point			4468		1650		73.4				89		<del></del> -			72.7		7.8	3.			

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#### **PSYCHROMETRIC SUMMARY**

40514 KWAJALEIN MARSHALL IS/RUCHULZ 44-72 TEC MONTH
STATION NAME

PAGE 1 190-1700
HOURS ILL. S. T.J.

Yemp.							BULB 1											TOTAL		TOTAL	
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Wet Bulb		1312	1100		1695		77.4			21					93		92.4				
Dew Point			1990		1644		75.1		<del></del>	21					92		81.2	110		<del></del>	93

SAFETAC FORM 0.26.5 (

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/HAC 40604 KWAJALEIN MARSHALL IS/BUCHOLZ 44-72 1800-2000 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point 90/ 19 88/ 87 1.617.128.7 4.6 7.9 3.6 11 313 86/ 65 11 111 84/ 83 92/ 61 80/ 79 3.2 1.6 1240 1240 1.0 127 927 846 251 482 491 289 111 73/ 77 112 .3 3.4 1.3 • 1 808 74/ 75 74/ 73 73/ 71 613 .0 265 70/ 69 69/ 67 66/ 65 DTAL 3 2201 2190 810,580,241,814,4 2191 2191 No. Obs. ZXz ZX Element (X) Mean No. of Hours with Tex peratura Rel. Hum. 14283980 176248 80.4 6.953 2191 10F ≤ 32 F ≥ 73 F ≥ 80 F 91.5 14483753 81.1 1.593 76.3 1.594 2201 93.0 Dir Bulb 178517 81.5 93 93.0 Wet Bulb 167146 2191 43 1.6

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15 15 DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/HAC PSYCHROMETRIC SUMMARY 40604 KWAJALEIN MARSHALL IS/BUCHILZ DEC 44972 PAGE 1 2100=2100 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B./M.B. Dry Buib Wet Buib Dew Point ŧ 86/ 85 84/ 82 46 1199 1199 782 793 1.719.627.5 3.5 5.917.9 9.0 2.4 82/ 81 .5 91 836 968 243 80/ 79 22 294 768 3.5 1.2 70/ 77 121 122 76/ 75 72/ 71 70/ 69 68/ 67 66/ 65 TOTAL 2200 2188 2188 3 ĝ 0.26-5 ( ·, Element (X) ZXi ZX No. Obs. Mean No. of Hours with Temperature 14743865 179043 81.8 6.516 ≥73 F > 80 F ≥ 93 F 2188 93.0 Dry Bulb 80.5 1.370 76.1 1.573 14274367 12685538 73.0 177185 2200 Vet Bulb 166564 2188 93.0 93 Dew Point 162691 2188

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#### MEANS AND STANDARD DEVIATIONS

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DRY-BULB TEMPERATURES DEG F FROM HOURLY DOSERVATIONS

40604 KWAJALEIN MARSHALL IS/BUCHOLZ

STATION NAME

44-72

SEP ANNUAL JUN. JUL AUG OCT. NOV. DEC. HRS (LST) FEB MAY MAR APR 80 e 80. UQ. 00,5 80.0 110 . 4 79.6 79,6 00,3 60. E0. 80. MEAN 1,566 1,357 1.589 00-02 1.118 1,090 1,227 1.201 1.309 1.475 1.687 1.711 1.333 1.458 \$. D. 1942 2164 2130 2199 25446 2201 2197 2129 2200 2014 2107 2101 2002 TOTAL OBS 77.1 79, 80,0 80.1 80.2 80.0 60.1 80.2 MEAN 1,353 1.189 1.179 1.660 1,501 1.306 07 405 1.205 1.282 1,434 1.584 1.688 1,441 1,103 5. D. 2201 25437 2109 1932 2102 2085 2141 2200 2128 2199 2130 2201 TOTAL OB 2011 77.5 80. 80 . 0 00 e 80. 30,7 80.5 30.0 80.4 80.4 77,6 a0. MEAN 1.984 1,913 1.378 1.437 S.180 1.556 06-08 1,678 1.763 1,773 1.871 2.005 2.134 1.887 S. D. 2108 1944 2005 2141 2201 2201 2128 2178 2130 25458 2105 2016 5501 TOTAL OB a), 1 03,7 63,6 84.1 82.0 33.4 2.143 82. 33.4 83.8 03.9 83.6 63. 7.865 2.998 2.309 09-11 2,362 2.602 2,674 2.610 2,626 2,671 3.023 3,061 2,750 S. D. 2100 2137 2129 2200 29445 1933 2017 2201 2190 2130 2105 2084 1052 TOTAL OS 35,2 85,3 85.4 84.0 84.3 84.0 34 . I 84 2 94.6 35.0 85.4 84.6 MEAN 2.075 2.872 3.100 2.536 2,997 12-14 2,392 3,000 2,437 2,89% 3.024 1.108 3,357 3.447 S. D. 2199 2199 25437 2197 2199 1742 7135 2014 2130 2131 TOTAL OB 2107 2101 2083 84. 2,747 44.2 0497 37.7 33.5 23,6 33,9 84.7 84.4 83.6 63.4 34.0 MEAN 2,575 2,946 2,803 3.167 3,345 2,854 2.872 15-17 2.786 2.461 2,752 3.302 2.439 S. D. 2197 2197 2130 2106 1931 2101 2042 2175 2019 2129 2190 2200 25426 TOTAL OBS 80.0 F1.8 81.5 82.0 VO. U 6 6 91.6 02.0 81.7 11.3 41.1 01.4 01.0 MEAN 1,593 1.971 1.804 1,339 1.441 1,503 2,106 18-20 1,674 1.656 1.930 2.362 2, 181 2.237 S. D. 25446 2108 1944 2104 4137 5500 2200 2127 2198 2129 2201 2081 2019 TOTAL OB 80.6 79.7 160.7 60.6 80.0 00.0 130 . 60 . u 21.0 81.0 MEAN 1.494 1.347 1.551 1.706 1.772 1,377 1.244 1.370 21-23 1.117 1.105 1,203 1.39H 1.613 S. D. 2137 2130 2199 25430 2107 1730 2107 2000 2018 2201 2201 2130 2200 TOTAL OBS 62,3 52.1 85.0 82,2 81,6 81,1 31. 82.3 81.9 81.6 31.1 61.9 MEAN 2.735 2,786 2.815 2.754 3.164 2.430 2.665 2,776 3.095 3.153 2.770 2.451 2.858 S D. HOURS 10857 15498 16826 17109 10128 17598 17602 17030 17502 17039 10562 17603 203534

1210 WS JUL 64 0-89-5 (OL1)

#### MEANS AND STANDARD DEVIATIONS

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KHAJALEIN MARSHALL IS/BUCHOLZ

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STATION NAME STATION ANNUAL NOV. DEC. JUL. AUG. MAY JUN. MAR APR. FEB HRS (LST) 76.1 70.0 760 76. 760 1400 70.0 75.3 79.0 76.6 1491 MEAN 1.512 1.255 1.523 1,709 1.175 1.499 1.155 1.141 1.207 1.597 1.138 1.130 1.245 K0-00 S. D. 2196 2194 2191 25202 2109 2177 2127 2129 2014 20199 1947 2062 2016 TOTAL OBS 75. 76. 750 1,709 1,618 75.4 76 .t 7000 7000 76. 75,0 1.144 1.553 1.523 1,136 1.259 1,532 1.254 1,144 1.101 1,108 1.117 03~05 S D 2194 2104 2129 2192 23273 2195 2124 2103 2611 2074 1932 2084 2017 TOTAL OBS 76. 70. 76.1 75.2 70,8 76.0 1.656 76 .1 76.7 74.0 MEAN 1,362 1.242 1.314 1.594 1.677 1.392 1.409 1.200 1.350 1.012 1.327 05-05 1.751 S. D. 2194 219 2529d 2197 2125 2130 2192 2096 2046 2102 2014 1942 2019 TOTAL OBS 78.3 70. 78,3 71,1 78.4 76,6 77.4 75. MEAN 1.776 1.971 2102 1.714 1.736 1.715 1.657 1.749 1.848 1.858 1,050 09-11 1,078 1,501 S. D. 2198 2192 25284 2130 2084 5013 2195 2126 5194 1933 201" 2497 TOTAL OSS 78.2 18.7 70.8 70. 1,875 71170 74.( 79.0 MEAN 1.814 1.730 1.877 1.881 1.907 2.004 1.554 1,711 1,786 1,747 1.646 1.270 12-14 S. D 2192 5124 2099 2131 2190 3528d 2011 2194 2124 20.40 1942 2037 2016 TOTAL OBS 78., 78, 78.4 77, 76. 2194 MEAN 1.509 1,049 1.829 1,754 1,798 1.494 1.621 2194 1.647 1.689 1,761 1,515 S. D 2191 25274 2125 5104 2130 2097 1931 20B 2013 2101 5012 TOTAL OBS 1,287 76,9 76.6 77.7 77.1 75.3 77,3 77.4 75.2 75.0 70.4 77.1 75.2 MEAN 1.394 1,570 1.303 1.268 1.211 1.248 1.300 1.205 18-20 1,601 1,534 1.502 S. D. 2191 25295 2127 2197 2124 2198 2097 1944 2004 2017 2104 2010 2197 TOTAL OBS 75.3 70.8 76.8 76 . 1 76.0 77.0 75.9 76.1 77.0 76.0 MEAN 1,520 1.158 1.217 1.351 1.484 1.107 1.104 1.202 1.373 1.638 1.568 1.214 21-23 S D ટંકેટફટ્ટ 2097 2086 3198 2130 \$1 R B 2015 2197 2127 2198 1929 2012 2103 TOTAL OBS 77.3 77.6 77.5 77.5 77.4 76.8 77.4 1.905 76,0 70.0 75.3 MEAN 1.70# 1.065 17507 17037 1.834 1 4 904 เล้าอัล 1.843 ALL S D 17037 202263 10819 10115 17560 17561 17011 15495 16675 16771 14125 TOTAL OBS

1210 WS JUL 64 0-89-5 (OLI)

#### MEANS AND STANDARD DEVIATIONS

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YEARS STATION NAME STATION ANNUAL SEP. AUG. MAY JUN. JUL. JAN. FEB. HRS.(L.S.T.) 75.2 75.1 75.1 74.3 75.3 75.3 74.5 75.5 73,5 73.2 72. 74.4 72.8 MEAN 1.978 1.578 1.456 2.032 1,689 1.427 00-02 2,043 2.403 2.231 S. D. 2194 219/ 2128 2191 25278 1941 2105 2014 2192 2127 201 2093 2083 TOTAL OBS 74. 74,9 74.0 79.2 73,3 74.1 75.1 75,1 73.0 72.5 72,5 MEAN 1.294 1.343 1.566 1.976 1.721 1.390 £60.5 1.406 2.402 2,260 2.083 03-05 S. D. 2191 2172 29269 2128 2195 2194 2004 2019 1103 1105 2125 1731 2796 TOTAL QBS 74.5 74.1 75,1 15.3 75. 79.7 75. 72.5 73.3 MEAN 1.343 1.488 1,777 1.562 2.153 2.114 2.374 1,750 2,204 1.510 3.463 00-00 5. D. 25286 2102 2130 2125 2192 2194 2129 2192 2015 2016 2090 1942 2086 TOTAL OF 74.0 74.1 76.2 76.0 70. 76,3 76.3 73.3 73.2 MEAN 1.751 1,960 2.437 1.941 1.850 2.400 1,836 1,766 1.880 2,528 2.017 2.614 09-11 S. D. 23284 2196 2192 2120 2176 2130 2174 2097 1933 2084 201F 2101 5017 TOTAL OBS 77.44 75.4 76, 76.7 16,5 76.2 76, 2,576 76. MEAN 1.994 2.094 2.474 1,993 1.969 2.490 2.015 1,878 7,751 2.101 2.71d 12-14 5. D. 25274 2197 2187 2191 2127 2130 2174 7095 1942 2032 2014 2099 2017 TOTAL OBS 75.4 76.3 75.0 73.1 74.2 76.1 75.5 79.1 76,4 73,5 76.1 76. 1.798 MEAN 1.848 1.030 2.344 2.289 1.939 1.776 1.844 1.794 2,498 2.47C 2.407 33-17 S. D. 2120 2191 25275 2194 2130 2018 2194 2194 2093 2100 Zol. 1931 5093 TOTAL ORS 75, 3 74.4 74,1 75.4 75,4 75,3 73,7 74.5 75.7 75. 79.5 73.0 MEAN 1,402 1,577 2.169 1.503 1.638 2.026 1.502 1,935 2.297 2,230 2.124 18-20 S. D. 2124 2190 35288 2124 2100 2016 2197 2196 2047 1941 2045 2011 2104 TOTAL OBS 74. 74,4 75.4 75.3 75.4 75.3 75.6 72.9 73,6 MEAN 1,975 1.407 1.430 1,570 1,380 1.451 2.127 1.645 2,035 1.430 1.452 4,320 2,191 21-23 S. D. 25275 2197 2188 2177 2127 2196 2130 2103 2013 2011 3805 1954 2067 TOTAL OBS 74.9 75.6 75.5 74,6 73.8 74.7 2.308 1.987 75.0 75.6 73.0 73.0 2.000 2,218 1.716 1,685 1.721 2.291 1.657 1.701 1.757 2,492 2,431 S D. HOURS 17557 17556 17009 17504 17035 202227 16817 16114 10768 12487 16673 19123 TOTAL OSS

1210 WS JUL 64 0-89-5 (OL-1)

DATA PROCESSING BRANCH TETACYUSAF AIR HEATHER SERVICE/MAC

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#### **RELATIVE HUMIDITY**

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	E FREQUENC	Y OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NO. OF OBS.
HAL	00-02	100.0	100,0	100.0	100.0	100.0	99,7	93.9	45.9	6.3	80.1	209
	03-05	100.0	100.0	100.0	100.0	100.0	99.5	73.2	47.2	4.3	80.2	209
	06-08	100.0	100,0	100.0	100.0	100.0	99.0	70.4	43.3	6.3	79.5	209
	09-11	100.0	100,0	100.0	100.0	99.9	96.9	68.6	22.0	4.2	74.7	209
	12-14	100.0	100.0	100.0	100.0	9.5	92.6	51.9	17.1	3.0	71.7	209
	15-17	100.0	100,0	100.0	100.0	99.9	95.5	60.7	16.8	3.7	73.2	209
	16-70	100.0	100.0	100.0	100.0	100.0	99,7	87.7	0.56	5.6	78.0	503
	21-23	100.0	100.0	100.0	100.0	100.0	99.7	93.3	47.2	5.7	79.7	209
TO	TALS	100.0	100.0	100.0	100.0	100.0	97,9	80.0	32.9	5.1	77.1	167a

USAF ETAC 0-87-5 (OL 1) 5 DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE ! HAT

#### **RELATIVE HUMIDITY**

40604 STATION KWAJALFIN MARSHALL IS/BUCHILZ
STATION NAME

44-72

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN MEAN HOURS MONTH RELATIVE HUMIDITY NO. OF (LS.T.) 80% 10% 20% 30% 40% 50% 60% 70% 90% OSS. 46.3 99.7 75.8 1942 FEB 00-03 100.0 100.0 100.0 100.0 100.0 0.5 80.4 75.8 49.1 A.08 1932 03-05 100.0 100.0 100.0 100.0 100.0 79.7 7.6 Od-OB 100.0 100.0 100.0 100.0 99.9 98,9 91.6 44.0 6.7 79.6 1942 09-11 100.0 100.0 100.0 100.0 99.9 96.0 69.1 22.0 3.5 74.6 1933 2.7 71.1 12-14 100.0 100 .0 99.5 88.3 50.0 13.6 1942 100.0 100.0 79.7 93.6 57.7 14.6 2,5 72,4 1931 15-17 100.0 100.0 100.0 100.0 77,0 18-20 100.0 100.0 100.0 100.0 100.0 99.7 84.7 32.6 5.0 1944 100.0 100.0 100.0 99.0 95.4 77.7 1929 21-23 160.0 100.0 41.8 4.7 TOTALS 100.0 100.0 100.0 100 -0 99.0 96.9 80.3 33.0 5.2 77.1 15495

USAF ETAC 0-87-5 (OL 1)

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### **RELATIVE HUMIDITY**

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KALJALEIN MARSHALL IS/HUCHILZ

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CÚMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTA	GE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(LS.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO. OF OBS.
HAR	00-02	100.0	100.0	100.0	100.0	100.0	100.0	98.4	54.7	10.1	81.9	208
	03-05	100.0	100.0	100.0	100.0	100.0	100,0	98.3	55.1	9.6	82,1	208
	06-08	100.0	100.0	100.0	100.0	100.0	99,1	92.6	5n.3	₫ <b>,</b> 2	80.6	208
	09~11	100.0	100.0	100.0	100.0	99,6	95,2	70.6	26.5	5.0	75.7	208
	12-14	100.0	100.0	100.0	100.0	99.5	91,5	53,1	17.0	4,4	72,2	808
	15-17	100.0	100.0	100.0	100.0	49.7	94,6	61.0	19.8	4.6	73.5	208
	18=20	100.0	100.0	100.0	100.0	100.0	99,3	70.0	36.5	0,4	79.0	205
	21-23	100.0	100.0	100.0	100.0	100.0	100,0	96,5	49,7	6,8	81,1	208
10	TALS	100.0	100.0	100.0	100.0	99.9	97.5	82.6	39.1	0.9	78.2	1667

DATA PROCESSING BRANCH ETACYUSAF AIR WEATHER SERVIÇEYHAC

#### **RELATIVE HUMIDITY**

STATION STATION HARSHALL IS/BUCHINE?

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### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	GE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL
нтиом	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO. OF OBS.
APR	00-02	100.0	100.0	100.0	100.0	100.0	100.0	19.6	65.1	11.8	83,3	201
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.7	68.7	12.9	83.5	2019
	00-08	100.0	100.0	100.0	100.0	100.0	99,7	96.2	60.0	12.3	82.3	201
	09-11	100.0	100.0	100.0	100.0	100.0	98.1	78.2	32,1	6,3	77.1	201
	12-14	100.0	100.0	100.0	100.0	99,9	95,3	56.4	22,0	5.8	74.6	201
	15-17	100.0	100,0	100.0	100.0	100.0	97.8	72,4	24.6	0,3	75.9	201
	14-20	100.0	100,0	100.0	100.0	100.0	99.0	95.0	44,9	7,1	80.5	201
	21-23	100.0	100.0	100.0	100.0	1.00.0	100.0	99.3	60.1	9,5	82.5	201
70	TALS											
		100.0	100.0	100.0	100 .0	100.0	98,9	88.4	47.2	9.0	80.0	1613

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DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/HAC

### RELATIVE HUMIDITY

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KHAJALTIN HARSHALL IS/RIJCHINLZ

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# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	SE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL NO. OF
MONTH	(L.S.T)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OFF
чдү	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	77,7	14.8	84.8	210
	03 <b>-0</b> 5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	50.9	16.6	85.1	210
	80-60	100.0	100.0	100.0	100.0	100.0	100.0	98,4	77,3	13.4	6,51	210
	09-11	100.0	100.0	100.0	100.0	100.0	99.7	87.7	37.7	7.6	79.3	210
	12-14	100.0	100.0	100.0	100.0	100.0	98.7	77.7	26.0	6.4	76.0	209
	15-17	100.0	100.0	100.0	100.0	100.0	98.6	83.0	30.8	0.7	77.7	210
	18-20	100.0	100.0	100.0	100.0	100.0	100.0	96,2	56.1	10.9	82.1	210
	21-23	100,0	100,0	100.0	100.0	100,0	100,0	99,9	72,6	13,4	84.2	210
			<del> </del>									
TO	TALS	100.0	100,0	100.0	100.0	100.0	99.6	72.9	56.9	11.2	81.7	1681

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#### **RELATIVE HUMIDITY**

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#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENTA	GE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER YHAH			MEAN	TOTAL NO. OF
MONIA	(L.S.T.)	10%	20%	30%	40%	50%	60%	7085	80%	90%	HUMIDITY	OAS.
JUN	00-02	100.0	100,0	100.0	100.0	100.0	100.0	100.1	79.9	16.8	85,1	201
	03-05	100.0	100,0	100.0	100.0	100.0	100.0	99,8	82.0	17.8	85.5	201
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	98,3	74.0	13,7	84.3	201
	09-11	100.0	100.0	100.0	100.0	100.0	100.0	87.4	38,5	7.6	79.2	201
	12-14	100.0	100,0	100.0	100.0	100.0	99,7	78,3	27.2	6,8	77.1	201
	15-17	100.0	100.0	100.0	100.0	100.0	99,5	81.8	32,6	0.6	74,0	201
	18-20	100.0	100.0	100.0	100.0	100.0	100,0	78,7	58.0	11,3	82.5	201
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	100.0	74.6	16.0	84.5	201
2771												
TO	TALS	100.0	100.0	100.0	100.0	100.0	99.8	93.1	58.5	12.1	82.0	1611

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#### **RELATIVE HUMIDITY**

40604 KHAJALEIN MARSHALL IS/RUICHULZ
STATION NAME

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PERIOD

JUL

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HTHOM	HOURS			PERCENTA	GE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO. OF
WONIH	(L.S.T)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OIS.
IUL	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	83.1	13.8	85.1	219
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	85.1	15.1	85.5	219
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	99,2	77.1	13.1	84.4	219
	09-11	100.0	100,0	100.0	100.0	100.0	100.0	88.9	36.2	7,6	79.2	219
	12-14	100.0	100.0	100.0	100.0	100.0	99.7	75,5	22,5	5.8	76,3	219
	15-17	100,0	100.0	100.0	100.0	100.0	99,5	78,5	24.4	6,3	77.0	219
	18-20	100.0	100.0	100.0	100.0	100.0	100.0	94.5	52.6	9.1	81.7	219
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	99.8	74.9	12.6	84.3	219
10	TALS	100.0	100.0	100.0	100.0	100.0	99.9	V2.3	57.2	10.4	81.7	1754

DATA PROCESSING BRANCH ETACYUSAF AIR HEATHER SERVICE/HAC

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#### RELATIVE HUMIDITY

STATION STATION NAME

44-72

AUG

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTA	SE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO. OF
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	ONS.
AUG	00-03	100.0	100.0	100.0	100.0	100.0	100.0	99.8	77.7	14.6	84,7	219
	03-05	100.0	100.0	100.0	100.0	100.0	99.7	69.9	82,3	16.6	85.3	219
	80-40	100.0	100.0	100.0	100.0	100.0	99,8	78.8	72.6	14.1	84.1	219
	09-11	100.0	100.0	100.0	100.0	100.0	49,8	86.0	34.2	6.9	78.6	219
	12-14	100.0	100.0	100.0	100.0	100.0	98,6	73.5	21.4	5.1	75,0	2,29
	15-17	100.0	100.0	100.0	100.0	100.0	98.7	75.7	26.9	7.4	76.5	219
	18-20	100.0	100.0	100.0	100.0	100.0	99.8	94.2	51.9	9.5	81.3	219
<del></del>	21-23	100.0	100,0	100.0	100.0	100.0	99,0	09.5	71.2	12.8	84.0	219
101	TALS	100.0	100.0	100.0	100.0	100.0	99.5	70.9	54.8	10.9	81.3	1756

DATA PROCESSING BRANCH -LETACINSAF ATR WEATHER SERVICE/HAC

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#### **RELATIVE HUMIDITY**

40604	KWAJALEIN	MARSHALL	IS/BUCHOLZ	4400
STATION	***************************************	STATION N	IAME	

PERIOD

MONTH

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENTA	GE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO. OF
MONIN	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	ONS.
SEP	00-02	100.0	100.0	100.0	100.0	100.0	100.0	29.6	72.5	13.9	84.1	212
·	03-05	100.0	100.0	100.0	100.0	100.0	100.0	29.4	77.8	14.8	84.6	212
	06-06	100.0	100.0	100.0	100,0	100.0	100.0	6.87	69,4	12.9	83,6	212
	09-11	100.0	100,0	100.0	100.0	100.0	99,6	83.0	32,9	7.2	78.1	212
<del></del>	12-14	100.0	100.0	100.0	100.0	100.0	98,3	68.9	22.7	6.5	75.6	212
	15-17	100.0	100.0	100.0	100.0	100.0	97.8	72.7	25.8	6.3	76.0	212
	16-20	1000	100.0	100.0	100.0	100.0	99,7	92.4	49.1	9.2	80.8	212
<u>.</u>	21-23	100.0	100,0	100.0	100.0	100.0	100.0	99.2	64.1	10.5	H3.1	212
			<del>                                     </del>									
10	TALS	100.0	100.0	100.0	100.0	100.0	99.4	\$9.3	51.8	10.2	80.7	1701

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PATA PROCESSING BRANCH ETAC/USAP AIR WEATHER SERVICE/HAC

### **RELATIVE HUMIDITY**

40604 KWAJALFIR MARSHALL IS/BUCHILZ
STATION NAME

=72

MONTH

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENTAC	BE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO. OF
MONTH	(LS.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	ONS.
act	00-02	100.0	100.0	100.0	100.0	100.0	100.0	09.8	68.7	13.6	83.8	2192
	03-05	100.0	100,0	100.0	100.0	100.0	100.0	99.7	77.2	15.0	84.3	2192
	80-60	100,0	100.0	100.0	100.0	100.0	100.0	97.9	8,50	13.0	83.0	2194
	09-11	1/20.0	100.0	100.0	100.0	100.0	99,8	80.8	29.1	7,3	77,6	2196
	12-14	100.0	100.0	100.0	100.0	100.0	99.0	46.8	22.3	7.0	75.4	217
	15-17	100.0	100.0	100.0	100.0	79.7	98.6	73.4	26.2	6.6	76.5	219
	16-20	100.0	100,0	100.0	100.0	100.0	100.0	96,4	47.7	10.1	81.2	2196
	21-23	100.0	100.0	100.5	100.0	100.0	100.0	99.5	61.7	11.7	93.1	219
			-									
70	TALS	100.0	100 n	100.0	100.0	100.0	99.7	89.3	48.8	10.8	80.6	1796

USAF ETAC FCAM 0-87-5 (CL 1)

DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

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### **RELATIVE HUMIDITY**

40604	KWAJALEIN HARSHALL IS/BUCHOLZ	44=72	NOV
STATION	STATION NAME	PERIOD	HTHOM

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HTHOM	HOURS (L S.T.)		MEAN	TOTAL								
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NO. OF OBS.
≀DV	00-02	100.0	100.0	100.0	100.0	100.0	100.0	99,5	71.9	15,2	84.2	2126
····	03-05	100.0	100.0	100.0	100.0	100.0	100.0	79.6	74,1	15.1	84,4	2129
	00=08	100.0	100,0	100.0	100.0	100.0	99,9	98.5	65.3	13.0	83,2	2130
	09-11	100.0	100.0	100.0	100.0	100.0	99.6	82.5	33,3	8.4	78,5	2130
	12-14	100.0	100.0	100.0	100.0	100.0	99,5	74.0	27.7	7.8	76.8	212
	15-17	100.0	100,0	100.0	100.0	100.0	99,0	31.0	33.0	8.5	78.1	2130
	18-20	100.0	100,0	100.0	100.0	100.0	100.0	47.9	55.7	11.4	82.1	2129
	21-23	100.0	100,0	100.0	100.0	100.0	100.0	99.1	66.1	13.5	83.4	2130
			-									
TO	TALS	100.0	100.0	100.0	100.0	100.0	99.0	91.6	53,4	11.6	81.3	1703

DATA PRINCESSING BRANCH ETAC/USAF AIR MEATHER SERVICE/HAC

### **RELATIVE HUMIDITY**

40604	KWAJALFIN HARSHALL ISTRUCHILZ	44-72	DEC	
STATION	STATION NAME	PERIOD	HTHOM	

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LS.T.)		MEAN	TOTAL								
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NO. OF OBS.
DEC	00-02	100.0	100.0	100.0	100.0	100.0	100.0	97.3	58.1	11.2	82,4	219
	03-05	100.0	100,0	100.0	100.0	100.0	100,0	97.7	57.8	13.8	82.6	219
	06=08	100.0	100,0	100.0	100.0	100.0	99.9	96.0	57.6	11.5	81.6	219
	09-11	100.0	100.0	100.0	100.0	100.0	98.7	79.9	31.9	6.7	77,5	219
	12-14	100.0	100.0	100.0	100.0	99.9	97.8	68.6	22.8	5.3	75.2	2189
	15-17	100.0	100,0	100.0	100.0	100.0	98.6	75.4	26.4	6,0	74.5	219
	18-20	100.0	100,0	100.0	100.0	100.0	100.0	72.6	44.4	9.4	80.4	219
	21-23	100.0	100.0	100.0	100.0	100.0	100,0	76.0	54.8	10.9	81.9	2181
<del></del>												
10	TALS	100.0	100.0	100.0	100.0	100.0	19.4	87,9	43.6	9.4	79.8	1752

DATA PROCESSING DIVISION ETAC/USAF AIR WEATHER SERVICE (MAC) ASHEVILLE, NORTH CAROLINA

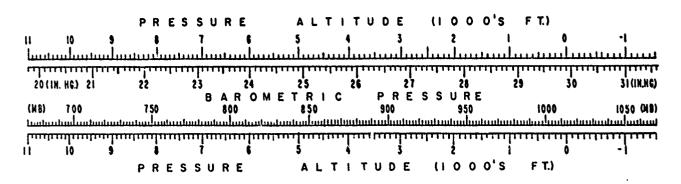
#### PART F

#### PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sca-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

- 1. Station pressure in inches of mercury.
- 2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/HAC

#### MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HE FROM HOURLY DESERVATIONS

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KWAJALEIN MARSHALL IS/AUCHILZ

46-64,67,69

STATION STATION NAME HRS (LST) JAN. FER MAR. MAY JUN. AUG. SEP. NOV. DEC. ANNUAL APR. JUL. 9,77229,77729,78429,78429,78429,78429,78429,78429,78727,77429,75229,791 29,776 MEAN ,049 ,037 .044 .039 02 .049 .040 .040 .037 .047 5. D. .038 .041 .040 .044 3,80 537 989 589 554 555 539 589 369 589 570 560 TOTAL OBS 6857 29,75129,75429,75029,75429,76429,77179,76929,76229,76029,75929,73429,736 29,757 MEAN .039 ,037 ·343 ,049 ×0+6 .038 .04d 03 .043 .046 .042 .049 .048 .046 S. D. 589 537 356 500 589 TOTAL OBS 555 340 588 509 570 589 6858 7982 ·7942 7.7702 . 300029 . 8042 7.79929.70929.77829.76A 29.795 .00527.002Z MEAN .047 1047 00 5. D. ,051 .047 .041 +040l .039 .041 .043 . 043 .051 .050 .047 รยจ 380 589 537 356 55 k 388 570 540 500 570 949 TOTAL OBS 6860 द्रप्रकार .01529,82029 . 82724. 82229. 82129. 61724. 81229. 81327. 81429. 19129. 787 29,812 MEAN .046 bio. PEO. .041 .042 .040 11 .05d .045 .039 .042 .049 .047 .045 S. D. 485 337 556 555 589 559 560 370 540 588 970 2110 1060 TOTAL OBS 2,907972 <u>, राज्यात्र</u>ा 75727,7572 •17329•10029•17829•16929•1982 ·75329.72929.728 20.758 MEAN .045 .041 .040 .048 .046 14 ,046 .041 דבח. 1036 .038 .050 .042 .046 S D. 489 136 555 589 589 589 355 598 567 571 TOTAL OBS 539 387 6856 27.7312 9,73629,7462 ,74929 , 7337 , 75429, 7432° 7.74029.74029.71929 .717 29,738 MEAN .045 .047 .049 ,043 17 .042 .C3F .038 .048 S. D. .040 .040 .043 .046 .045 505 537 354 954 909 568 588 569 970 588 TOTAL OBS 540 684 6854 24.7752 .7754 ,7742 ,790/29 - १५१/१५ <u>, 793[29, 789[29, 781[29, 784[29, 736[29, 764[29, 75</u>0 27,700 MEAN ,039 .042 ,aśa ,04B .045 .048 .042 .042 20 .046 1025 .040 .047 \$. D. .043 438 537 358 588 389 389 570 900 6357 TOTAL OBS 588 570 XA\* 4645A\* 4045A\* 4135A <u>•#\$3|\$4•#\$3|\$4•#\$4|\$0\$6|\$6|\$4•#1\$4•#12|\$4•#11|\$4•\*#2|\$4</u> 27.805 MEAN 045 .039 .029 23 .041 .038 .041 .047 .0>0 .0+0 .044 .038 S D. .046 .045 5 à 9 839 534 536 557 598 540 367 305 989 TOTAL OBS 508 970 6853 29,77129,77629,75129,79029,78929,79229,78929,78229,78129,78629,75629,752 27,778 MEAN ALL HOURS 050 4449 050 .043 .053 .052 051 •050 4703 ,055 032 540 S D .044 .048 .046 4292 4434 4709 4318 4709 4555 4711 TOTAL OR 4541

1210 WS JUL 64 0-89-5 (OL1)

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/HAC

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#### **MEANS AND STANDARD DEVIATIONS**

SEA LEVEL PRESSURE IN HOS FROM HOURLY DESERVATIONS

40004 MHAJALT IN MARCHALL TS/RIGHTIL/ 44-64-67-69
STATION STATION NAME YEARS

\$1ALION	•		****	ION NAME						16004				
HRS (L S T	1	JAN	FEB.	MAR	APR.	MAY	MUL	JUL	AUG.	SEP	OCT.	NOV.	DEC.	ANNUAL
	MEAN												1000.1	1004.9
0.5	5. D.	1,750			1.375	1,406	1,270	1,196	1.275	1.242	1.365	1.599	1.615	1.507
	TOTAL OBS	976	376	617	61.5	650	595	051	631	630	650	630	651	7546
												i		
	MEAN	1009 - 5	1008.5	1008.5	1009.7	1000.7	1004,5	1008,8	1008.5	1009.5	1008,	1007,0	1007.5	1008.4
05	S. D	1,320	1,614	1,641	1,400	1.474	1,103	1,240	1.31	1.276	1.410	1.397	1.003	1,525
	TOTAL OBS	620	565	618	519	649	600	651	656	629	650	630	651	7528
						-								
	MEAN	10000	1004.0	1000.4	1010.1	1010.1	1010-1	1007.9	1009	100000	1000	100001	100H. R	1009,7
04	S. D.				1.550				1.387	1.399	1.433			1,574
	IQTAL OBS	640	577	619	61.	1150	600					630	651	7543
	1													
	MEAN	1010.0	1010.5	1010.4	1010.5	1010.6	1010.9	1010.3	1010.1	1010.2	1010.2	1007.4	1009.7	1010.1
111	S D.				1.440						1.444			1,525
	TOTAL OBS	620	365	619	61*	050	600	651	651				631	7532
	1											<u> </u>		
<b></b>	MESN	1002.0	1000.3	1008.4	1008.	10001-9	1009.1	1009-0	1006.	1004.3	1005 21	1007.3	1007.	1008.3
1.,	S. D.				1.45/								1.029	1.956
1	TOTAL OBS													7539
<del></del>													17.	
	MEAN	1007.5	1007.5	1007.1	1000.	1000.1	1006.4	1005.2	1007.9	1007.0	1007.8	1007.1	2000.0	1007.0
1.7	S. D	1.508	1.436	1.045	1.454	1.466	1.310	1.193	1.341	1.277	1.419	1.961	1.557	1.516
-	TOTAL OBS	620	565	618										7526
										<del></del>		<del></del>		
	MEAN	100"+0	1009.0	1009.2	1309.6	1009.0	1009.0	1009.4	1009.4	20000	1009.4	10000	1008.4	1007.2
24	S D.				1,510								1.984	1.565
	TOTAL OBS	Lis												7543
	1	· · · · · · ·												
	MEAN	1062.7	1009.9	1010.2	1610.7	1010.0	1010.5	1010.4	1010.	1010.2	1910.7	1009.2	1000.1	1010.1
2.3	S D.												1.581	1.521
""	TOTAL OBS													7524
<del></del>	.5.7. 503			-7 4	4 8 7					1		V		
<del></del>	MEAN	100348	1009.0	1009.2	1009.4	1009.5	1009.6	1009.4	1009.4	1007.1	1009.1	100843	100001	1009.1
ALL	S D.												1.807	1.741
HOURS	TOTAL OBS			4948									, , , ,	60775
L	HOIAL OBS	4737	4700	7,40	7.64	2 ( ) (	7,70	75 45	3243	1 4030	47.34	1 2044	2000	VQ/ 1.

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